

Barren River Area Occupational Outlook to 2010



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Education Cabinet
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Frankfort, Kentucky 40621

BARREN RIVER AREA OCCUPATIONAL OUTLOOK TO 2010

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January 2004

Education Cabinet--Equal Education and Employment Opportunities M/F/D

Printed with government funds

PREFACE

The Labor Market Information in this publication is based on a large array of labor market statistics collected and developed by the staff of the Research and Statistics (R&S) Branch in the Kentucky Department for Employment Services. The Labor Market Information (LMI) Section within R&S developed the projections and this publication.

The Kentucky Occupational Employment Statistics (OES) survey of Kentucky employers provided the occupational employment data used in the study. This is a statewide survey of approximately 20,000 employers, over a three-year period, representing the various industries in Kentucky. The employment data used to project industries to the year 2010 were based on the Current Employment Statistic (CES) and the Employment and Earnings (ES-202) programs. The projected total growth in each Area Development District (ADD) was based on employment data from 1971 through 2000 developed from the Local Area Unemployment Statistics (LAUS) program. Data from all of the above programs were used to develop the occupational outlook to 2010 publications for each Area Development Districts listed below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyriple Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The projections and this publication are funded by the U.S. Department of Labor (USDOL), Employment and Training Administration. The national industry and occupational projections developed by the U. S. Department of Labor's Bureau of Labor Statistics were used in the process to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the occupational projections. Special thanks go to the Kentucky employers who completed the questionnaires that provided the employment information necessary for this effort.

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INTRODUCTION

Which jobs will be in demand in the Barren River Area from now until the year 2010? Which occupations will provide the most job openings each year through 2010? Which occupations are likely to grow the fastest and which are likely to decline from 2000 to 2010? The *Barren River Area Occupational Outlook to 2010* offers some insight into these often asked questions. Students, job seekers, counselors and others should find this report helpful.

This report contains highlights and a user's guide to occupational statistics that provide answers to frequently asked questions regarding the statistics. Also included are tables of the top 45 Barren River Area occupations with the most annual job openings and the 44 fastest-growing Barren River Area occupations. The Barren River Area Occupational Employment Outlook and Job Openings tables beginning on page 9 provides occupational employment projections for a variety of occupations. This table also presents, for each of these occupations, the number and percentage of expected change in employment and the average number of annual job openings for the period of 2000 to 2010.

While this study provides projections of occupational trends and job openings in the Barren River Area, it should be stressed that the estimates are subject to the limitations that are a part of any effort to determine future conditions. It is impossible to predict what the Barren River Area will look like in 2010. The projections of long-term trends into the future, however, should provide valuable insight into the likely magnitude of occupational growth or decline in the area. The projections have been carefully prepared using accepted methods within a framework of national, state and area assumptions. They will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2000 through 2010. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

With a projected tighter labor market resulting from Kentucky's labor force growing more slowly than employment, along with the structural and technological changes that are taking place in all industries, the development and utilization of our human resources have become a top priority for all those concerned with employment training. Education and training programs that can meet the needs of employers today and in the future will take on even greater importance. To meet this challenge, it is crucial that education and training planners, business, labor, government and job seekers have the necessary occupational information to assist them in making informed, intelligent decisions in the development of these education and training programs as well as individual career choice. This publication was designed to assist users in these tasks.

NOTE: These 2000-2010 projections use the new Standard Occupational Classification (SOC) system, while prior versions of projections used the Occupational Employment Statistics (OES) codes for classifying occupations. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different. Several major groups have been renamed, combined, or reorganized. Some individual occupations also have been renamed or classified within different major groups. Some occupations are no longer listed, while newer occupations are listed for the first time with the SOC system. Because of these changes, the 2000-2010 projections are not comparable with earlier sets of projections. Information of the SOC system can be obtained at the U.S. Bureau of Labor Statistics SOC Home Page at <http://www.bls.gov/soc/home.htm>.

HIGHLIGHTS

- ✓ Barren River Area employment is expected to grow from 123,622 to 141,016 between 2000 and 2010, a gain of 14.1 percent.
- ✓ Between 2000 and 2010, the total annual job openings are expected to be about 4,728.
- ✓ Growth in employment will make available about 1,739 job openings annually.
- ✓ Approximately 2,989 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Approximately 37 percent of job openings will result from growth, and the remaining 63 percent will result from separations from the labor force.
- ✓ The greatest number of job openings will be in the Food Prep. & Serving Related Occupations (689), followed by the Sales and Related Occupations (596), and the Office and Administrative Support Occupations (520).
- ✓ Particular Occupations with the largest percentage of change from 2000 to 2010 in the Barren River Area are Occupational Therapists (91.7%), Physical Therapists (81.7%), Dental Assistants (74.7%) and Physical Therapist Assistants (73.8%).
- ✓ The largest growth rates between 2000 and 2010 are expected to be in the Legal Occupations (61.8%), the Healthcare Support Occupations (43.3%), and the Computer and Mathematical Occupations (40.9%).
- ✓ The top two Barren River Area occupations with the most annual job openings are Combined Food Prep. & Serving Workers (376) and Cashiers (238).

A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?

- 1) Total average annual job openings and
- 2) Employment change expressed as a percentage

The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.

What creates job openings?

- 1) Employment growth (new jobs)
- 2) Employment separations (job vacancies created by persons separating from an occupation)

What causes employment change?

Industrial growth or decline has the greatest influence on employment change. Industrial growth occurs when the demand for goods and services rises and, in turn, the demand for workers to produce those goods and services rises.

Technological change can raise the demand for some skills while eliminating the need for others. As this shift is going on, demand in the industry as a whole may be rising or falling.

New ways of doing business such as self-service, out-sourcing, or 24-hour operations can affect employment change.

Then what about employment separations?

Employment separations are still important when evaluating an occupation's potential outlook. Job openings are created by persons separating from an occupation because of retirements, promotions into different occupations, career changes, or deaths. In many instances, the number of employment separations exceeds new jobs.

Do workers tend to leave one occupation more than another?

Every occupation has a different rate of employment separations. Those occupations that require much education and training and/or have a high percentage of full-time workers tend to have low separation rates. But occupations that require little education and/or training tend to have higher separation rates.

What factors affect the number of job openings for an occupation?

- 1) The overall size of the occupation: How many workers are employed already?
- 2) The occupation's separation rate: How many job vacancies are created from workers separating from the occupation?
- 3) The occupation's rate of change: How fast is it growing or declining?

Which factor is more important?

Size of employment and separation rate are more important than rate of change in affecting the number of job openings.

What is the best way to compare one occupation with another?

- 1) Look at the total average annual job openings, not just openings resulting from growth. A large number of openings means it should be relatively easy to find a job in that occupation.
- 2) Look at the employment change expressed as a percentage. A high percentage increase in employment means that there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 45
Barren River Area Occupations With The Most Annual Job Openings

		<u>Job Openings</u>		
		<u>Average Annual</u>		
		<u>2000-2010</u>		
<u>Occupation</u> <u>Code</u>	<u>Occupational Title</u>	<u>Growth</u>	<u>Separations</u>	<u>Total</u>
<u>Management Occupations</u>				
11-1021	General and Operations Managers	26	28	54
11-9012	Farmers and Ranchers	0	25	25
<u>Community & Social Services Occupations</u>				
21-1093	Social and Human Service Assistants	21	4	25
<u>Education, Training and Library Occupations</u>				
25-9041	Teacher Assistants	21	21	42
25-2021	Elementary School Teacher, Ex. Special Ed	13	26	39
25-2031	Sec. School Teach, Ex Special & Voc Ed	11	19	30
<u>Arts, Design, Entertainment, Sports & Media Occupations</u>				
27-2042	Musicians and Singers	39	21	60
<u>Healthcare Practitioners and Technical Occupations</u>				
29-1111	Registered Nurses	79	37	116
29-2061	Licensed Practical & Licensed Voc. Nurses	16	19	35
29-2041	EMT and Paramedics	18	11	29
<u>Healthcare Support Occupations</u>				
31-1012	Nursing Aides, Orderlies, and Attendants	48	19	67
31-1011	Home Health Aides	25	5	30
31-9091	Dental Assistants	19	5	24
<u>Food Preparation and Serving Workers</u>				
35-3021	Combined Food Prep & Serving Workers	154	222	376
35-3031	Waiters and Waitresses	44	88	132
35-2014	Cooks, Restaurant	22	20	42
35-1012	Supervisors of Food Prep and Serving	13	19	32
35-2012	Cooks, Institution and Cafeteria	6	25	31
35-2021	Food Preparation Workers	10	16	26

Top 45
Barren River Area Occupations With The Most Annual Job Openings (cont'd)

Occupation Code	Occupational Title	Job Openings		
		Average Annual 2000-2010		
		Growth	Separations	Total
<u>Building and Grounds, Cleaning and Maintenance Occupations</u>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeep.	37	36	73
37-2012	Maids and Housekeeping Cleaners	18	30	48
<u>Personal Care and Service Occupations</u>				
39-9011	Child Care Workers	56	113	169
<u>Sales and Related Occupations</u>				
41-2011	Cashiers	76	162	238
41-2031	Retail Salespersons	76	127	203
41-1011	Supervisors of Retail Sales Workers	23	19	42
41-4012	Sales Reps, Wholesale & Manuf, Ex. Tech	13	22	35
41-2021	Counter and Rental Clerks	6	20	26
<u>Office and Administrative Support Occupations</u>				
43-5081	Stock Clerks and Order Fillers	17	51	68
43-3071	Tellers	12	41	53
43-4051	Customer Service Representatives	40	11	51
43-9061	Office Clerks, General	20	29	49
43-4171	Receptionists and Information Clerks	26	18	44
43-3031	Bookkeeping, Accounting & Auditing Clerks	7	23	30
43-1011	Supervisors of Office and Admin. Support	13	16	29
<u>Installation, Maintenance and Repair Occupations</u>				
49-3023	Auto Service Technicians and Mechanics	29	18	47
49-9042	Maintenance and Repair Workers, General	15	23	38
<u>Production Occupations</u>				
51-2092	Timing Device Assemb, Adjuster & Calibrator	0	58	58
51-1011	Supervisors of Production and Operating	2	33	35
51-4121	Welders, Cutters, Solderers, and Brazers	17	11	28
51-5023	Printing Machine Operators	12	15	27
51-4021	Extruding & Drawing Mach Setter, Operator	12	14	26
<u>Transportation and Material Moving Occupations</u>				
53-7062	Laborers, Freight, Stock & Material Mover	11	58	69
53-3032	Truck Drivers, Heavy and Tractor-Trailer	37	22	59
53-7064	Packers and Packagers, Hand	11	32	43
53-3033	Truck Drivers, Light or Delivery Services	19	14	33

**Top 45
Fast-Growing Barren River Area Occupations**

<u>Occupation Code</u>	<u>Occupational Title</u>	<u>Fast Growing Occupations</u>				<u>Total</u>
		<u>Employment</u>	<u>Change</u>	<u>Job Openings</u>		
		<u>Actual</u>	<u>Projected</u>	<u>2000-2010</u>	<u>Percent</u>	<u>Average Annual</u>
		<u>2000</u>	<u>2010</u>	<u>Number</u>	<u>Percent</u>	<u>2000-2010</u>
<u>Management Occupations</u>						
11-9111	Medical and Health Services Managers	256	384	128	50.0	17
11-9151	Social & Community Service Managers	135	181	46	34.1	8
11-2022	Sales Managers	143	187	44	30.8	6
<u>Computer and Mathematical Occupations</u>						
15-1071	Network & Computer Systems Admin.	87	131	44	50.6	4
15-1031	Computer Software Engineers, Apps	35	52	17	48.6	2
<u>Architecture & Engineering Occupations</u>						
17-3031	Surveying and Mapping Technicians	87	130	43	49.4	7
<u>Community & Social Services Occupations</u>						
21-1093	Social and Human Service Assistants	280	486	206	73.6	25
21-1022	Medical & Public Health Social Worker	92	157	65	70.7	8
<u>Education, Training and Library Occupations</u>						
25-3021	Self-Enrichment Education Teachers	41	67	26	63.4	3
25-2041	Special Ed. Teacher, Preschool - Elem	167	224	57	34.1	8
<u>Arts, Design, Entertainment, Sports & Media Occupations</u>						
27-2041	Music Directors and Composers	175	261	86	49.1	12
27-2042	Musicians and Singers	1,114	1,507	393	35.3	60
27-1023	Floral Designers	135	181	46	34.1	6
27-3043	Writers and Authors	55	73	18	32.7	3
<u>Healthcare Practitioners and Technical Occupations</u>						
29-1122	Occupational Therapists	72	138	66	91.7	9
29-1123	Physical Therapists	104	189	85	81.7	12
29-1126	Respiratory Therapists	58	98	40	69.0	5
29-2052	Pharmacy Technicians	177	276	99	55.9	15
29-1127	Speech-Language Pathologists	111	166	55	49.5	9
29-2071	Medical Records & Health Info Techs	76	113	37	48.7	6
29-1111	Registered Nurses	1,826	2,611	785	43.0	116
29-2041	EMT and Paramedics	443	627	184	41.5	29
29-1051	Pharmacists	162	222	60	37.0	11
29-2034	Radiologic Technologists & Techs	158	215	57	36.1	10

**Top 45
Fast-Growing Barren River Area Occupations (cont'd)**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2000	Projected 2010	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010
<u>Healthcare Support Occupations</u>						
31-9091	Dental Assistants	257	449	192	74.7	24
31-2021	Physical Therapist Assistants	65	113	48	73.8	7
31-1011	Home Health Aides	405	658	253	62.5	30
31-9092	Medical Assistants	101	160	59	58.4	9
31-9095	Pharmacy Aides	102	139	37	36.3	7
31-1012	Nursing Aides, Orderlies & Attendants	1,460	1,936	476	32.6	67
<u>Food Preparation and Serving Workers</u>						
35-3021	Combined Food Prep & Serving Work.	3,619	5,158	1,539	42.5	376
35-2014	Cooks, Restaurant	684	900	216	31.6	42
<u>Building and Grounds, Cleaning and Maintenance Occupations</u>						
37-2021	Pest Control Workers	157	226	69	43.9	10
<u>Personal Care and Service Occupations</u>						
39-9021	Personal and Home Care Aides	116	177	61	52.6	8
<u>Sales and Related Occupations</u>						
41-3031	Security, Commodity & Financial Serv.	140	212	72	51.4	8
<u>Office and Administrative Support Occupations</u>						
43-4111	Interviewers, Except Eligibility & Loan	78	118	40	51.3	6
43-6012	Legal Secretaries	204	307	103	50.5	14
43-4171	Receptionists and Information Clerks	791	1,046	255	32.2	44
43-4051	Customer Service Representatives	1,255	1,651	396	31.6	51
<u>Installation, Maintenance and Repair Occupations</u>						
49-3023	Auto Service Technicians & Mechanics	762	1,054	292	38.3	47
<u>Production Occupations</u>						
51-4121	Welders, Cutters, Solderers & Brazers	378	547	169	44.7	28
51-4012	Numerical Tool, Process Control Prog.	34	46	12	35.3	2
51-7041	Sawing Mach Setter, Op. & Tender	130	173	43	33.1	9
51-2041	Structural Metal Fabricators and Fitters	100	131	31	31.0	5
<u>Transportation and Material Moving Occupations</u>						
53-7061	Cleaners of Vehicles and Equipment	170	253	83	48.8	14

Explanation of Data Elements on the Occupational Outlook Table

Occupational Employment Outlook and Job Openings

Occupational		Employment 2000 2010		Job Growth 2000 2010		Average Annual Job Openings			Average Wage	Education/ Training Required *
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	
<p>• Occupational Codes and Titles used in this report are based on the <i>Standard Occupational Coding (SOC)</i> Structure.</p> <p>NOTE:</p> <p><i>Alphabetical listing beginning on page 34 should help locate a specific occupation within the tables.</i></p>		<p>• Estimated 2000 employment is based on the <i>Occupational Employment Statistics (OES)</i> Survey of employers.</p> <p>• Projected 2010 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2000 and 2010.</p> <p>NOTE:</p> <p><i>The Occupational employment estimates for 2000 to 2010 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</i></p>		<p>• Number - The total number of jobs in an occupation gained or lost over the 2000 to 2010 period.</p> <p>• Percent - Percent change in employment in an occupation over the ten year period.</p> <p>NOTE:</p> <p><i>In Kentucky, 16.0 percent job growth between 2000 and 2010 is the average growth for all occupations.</i></p> <p><i>An occupation is expected to experience:</i></p> <ol style="list-style-type: none"> 1) <i>average growth if percent change is between 12 to 18%;</i> 2) <i>very fast growth if > 30%;</i> 3) <i>fast growth if >18% < 30%;</i> 4) <i>slow growth if >5% <12%;</i> 5) <i>very slow growth if >0% <5%;</i> 6) <i>negative or declining growth <0%.</i> 		<p>• Growth openings provide estimates of the average number of job openings expected to occur each year between 2000 and 2010 that result from employment growth.</p> <p>• Separation openings provide estimates of the average number of job openings expected to occur each year in an occupation, resulting from workers separating or leaving the occupation for such reasons as retirement, promotion, or simply transferring among occupations. Such separations would require replacement workers.</p> <p>• Total openings provide estimates of the total number of job openings expected each year from employment growth or job separations.</p> <p>NOTE:</p> <p><i>If employment growth is negative, the total number of job openings will equal the number of separations. They are equal because the number of separations already takes into account the negative employment growth.</i></p>			<p>• Average wage in this report always refers to the 2001 mean average hourly wage.</p> <p>NOTE</p> <p><i>Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming the average working months per year was 9.5 and average hours worked per week was 40.</i></p>	<p>• Education and Training Levels Usually Required were developed by the Bureau of Labor Statistics and grouped into eleven levels (1-11).</p> <p>*NOTE</p> <p><i>The various levels are described in detail on page 33 of this report.</i></p>

Barren River Area

Management Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
00-0000 Total, All Occupations		123,622	141,016	17,394	14.1	1,739	2,989	4,728	n/a	n/a
11-0000 Management Occupations		12,447	12,956	509	4.1	51	170	221	n/a	n/a
11-1000	Top Executives	2,033	2,367	334	16.4	33	39	72	n/a	n/a
11-1011	Chief Executives	354	430	76	21.5	8	11	19	42.98	4
11-1021	General and Operations Managers	1,679	1,937	258	15.4	26	28	54	27.00	4
11-2000	Adv., Marketing, Promotions, PR & Sales	279	356	77	27.6	8	4	12	n/a	n/a
11-2011	Advertising and Promotions Managers	38	48	10	26.3	1	1	2	26.76	4
11-2020	Marketing and Sales Managers	215	277	62	28.8	6	3	9	n/a	n/a
11-2021	Marketing Managers	72	90	18	25.0	2	1	3	26.66	4
11-2022	Sales Managers	143	187	44	30.8	4	2	6	31.74	4
11-2031	Public Relations Managers	*	*	*	*	*	*	*	27.58	4
11-3000	Operations Specialties Managers	1,260	1,439	179	14.2	18	22	40	n/a	n/a
11-3011	Administrative Services Managers	114	138	24	21.1	2	2	4	21.96	4
11-3021	Computer & Information Systems Managers	81	104	23	28.4	2	1	3	30.98	4
11-3031	Financial Managers	430	527	97	22.6	10	7	17	23.58	4
11-3040	Human Resources Managers	153	169	16	10.5	2	3	5	24.46	4
11-3051	Industrial Production Managers	275	280	5	1.8	1	5	6	27.50	5
11-3061	Purchasing Managers	100	95	-5	-5.0	0	3	3	23.38	4
11-3071	Transportation, Storage & Dist. Managers	107	126	19	17.8	2	2	4	26.39	8
11-9000	Other Management Occupations	8,875	8,794	-81	-0.9	0	105	105	n/a	n/a
11-9010	Agricultural Managers	4,455	3,657	-798	-17.9	0	26	26	n/a	n/a
11-9011	Farm, Ranch & Other Agricultural Managers	*	*	*	*	*	*	*	n/a	4
11-9012	Farmers and Ranchers	4,428	3,632	-796	-18.0	0	25	25	n/a	9
11-9021	Construction Managers	152	182	30	19.7	3	3	6	25.68	5
11-9030	Education Administrators	282	323	41	14.5	4	7	11	n/a	4
11-9031	Edu. Admin, Preschool & Child Care Center	38	49	11	28.9	1	1	2	20.27	4
11-9032	Education Admin, Elementary & Secondary	182	204	22	12.1	2	5	7	n/a	4
11-9041	Engineering Managers	135	122	-13	-9.6	0	2	2	34.76	4
11-9051	Food Service Managers	123	135	12	9.8	1	1	2	15.64	8
11-9081	Lodging Managers	*	*	*	*	*	*	*	21.19	8
11-9111	Medical and Health Services Managers	256	384	128	50.0	13	4	17	22.06	4
11-9131	Postmasters and Mail Superintendents	53	53	0	0.0	0	1	1	20.36	8
11-9151	Social and Community Service Managers	135	181	46	34.1	5	3	8	15.48	5
11-9199	Managers, All Other	3,132	3,557	425	13.6	43	56	99	29.72	8

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Business & Financial Operations Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
13-0000	Business & Financial Operations Occs	1,683	1,890	207	12.3	21	33	54	n/a	n/a
13-1000	Business Operations Specialists	1,147	1,252	105	9.2	11	24	35	n/a	n/a
13-1020	Buyers and Purchasing Agents	204	222	18	8.8	2	5	7	n/a	n/a
13-1021	Purchasing Agents & Buyers, Farm Product	*	*	*	*	*	*	*	15.56	8
13-1022	Wholesale & Retail Buyers, Ex. Farm Prod.	58	62	4	6.9	0	2	2	13.36	5
13-1023	Purchasing Agents, Ex. Wholesale, Retail	124	131	7	5.6	1	3	4	17.73	5
13-1030	Claims Adj., Appraisers, Examiners & Invest.	177	170	-7	-4.0	0	2	2	n/a	n/a
13-1031	Claims Adjusters, Examiners & Investigator	*	*	*	*	*	*	*	19.55	9
13-1041	Compliance Officers, Ex. Ag., Const., Health	85	98	13	15.3	1	2	3	16.61	9
13-1051	Cost Estimators	126	138	12	9.5	1	3	4	16.90	5
13-1070	Human Res., Training & Labor Rel. Spec.	238	265	27	11.3	3	5	8	n/a	n/a
13-1071	Employ, Recruitment & Placement Spec.	107	116	9	8.4	1	2	3	15.25	5
13-1072	Compensation, Benefits, Job Analysis Spec	34	36	2	5.9	0	1	1	18.70	5
13-1073	Training and Development Specialists	97	113	16	16.5	2	2	4	19.01	5
13-1121	Meeting and Convention Planners	*	*	*	*	*	*	*	18.24	5
13-1199	Business Operations Specialists, All Other	250	279	29	11.6	3	6	9	20.27	5
13-2000	Financial Specialists	536	638	102	19.0	10	9	19	n/a	n/a
13-2011	Accountants and Auditors	318	384	66	20.8	7	5	12	18.83	5
13-2031	Budget Analysts	*	*	*	*	*	*	*	23.32	5
13-2070	Loan Counselors and Officers	125	141	16	12.8	2	3	5	n/a	n/a
13-2072	Loan Officers	113	128	15	13.3	2	2	4	17.47	5
13-2099	Financial Specialists, All Other	*	*	*	*	*	*	*	24.13	5

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Computer & Mathematical Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
15-0000	Computer and Mathematical Occupations	599	844	245	40.9	25	4	29	n/a	n/a
15-1000	Computer Specialists	596	841	245	41.1	25	4	29	n/a	n/a
15-1021	Computer Programmers	77	70	-7	-9.1	0	2	2	22.10	5
15-1030	Computer Software Engineers	63	92	29	46.0	3	0	3	n/a	n/a
15-1031	Computer Software Engineers, Applications	35	52	17	48.6	2	0	2	29.27	5
15-1032	Computer Software Eng., Systems Software	*	*	*	*	*	*	*	27.39	5
15-1041	Computer Support Specialists	*	*	*	*	*	*	*	15.03	6
15-1051	Computer Systems Analysts	82	100	18	22.0	2	1	3	23.57	5
15-1061	Database Administrators	*	*	*	*	*	*	*	19.17	5
15-1071	Network & Computer Systems Admin.	87	131	44	50.6	4	0	4	21.49	5
15-1081	Network Systems & Data Comm. Analysts	*	*	*	*	*	*	*	20.21	5
15-1099	Computer Specialists, All Other	*	*	*	*	*	*	*	18.97	7
15-2000	Mathematical Scientists	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Architecture & Engineering Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
17-0000	Architecture & Engineering Occupations	1,258	1,341	83	6.6	8	28	36	n/a	n/a
17-1000	Architects, Surveyors & Cartographers	70	86	16	22.9	2	2	4	n/a	n/a
17-1020	Surveyor, Cartographer & Photogrammetrist	67	80	13	19.4	1	2	3	n/a	n/a
17-1022	Surveyors	62	75	13	21.0	1	2	3	14.46	5
17-2000	Engineers	653	670	17	2.6	2	13	15	n/a	n/a
17-2051	Civil Engineers	57	60	3	5.3	0	1	1	21.24	5
17-2070	Electrical and Electronics Engineers	131	132	1	0.8	0	2	2	n/a	n/a
17-2071	Electrical Engineers	44	48	4	9.1	0	1	1	31.32	5
17-2110	Industrial Engineers, Inc. Health and Safety	266	249	-17	-6.4	0	5	5	n/a	n/a
17-2111	Health & Safety Eng, Ex. Mining Safety Eng.	*	*	*	*	*	*	*	22.12	5
17-2112	Industrial Engineers	242	222	-20	-8.3	0	4	4	26.64	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	21.54	5
17-2141	Mechanical Engineers	141	168	27	19.1	3	4	7	24.49	5
17-2199	Engineers, All Other	*	*	*	*	*	*	*	31.90	5
17-3000	Drafters, Engineering & Mapping Tech.	535	585	50	9.3	5	13	18	n/a	n/a
17-3010	Drafters	99	110	11	11.1	1	3	4	n/a	n/a
17-3011	Architectural and Civil Drafters	39	48	9	23.1	1	1	2	15.18	7
17-3013	Mechanical Drafters	32	37	5	15.6	1	1	2	16.05	7
17-3020	Engineering Technicians, Except Drafters	320	306	-14	-4.4	0	6	6	n/a	n/a
17-3026	Industrial Engineering Technicians	38	38	0	0.0	0	1	1	17.94	6
17-3027	Mechanical Engineering Technicians	62	66	4	6.5	0	1	1	16.57	6
17-3031	Surveying and Mapping Technicians	87	130	43	49.4	4	3	7	11.71	10
17-3099	Drafters, Eng. & Mapping Tech, All Other	*	*	*	*	*	*	*	16.42	6

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Life, Physical & Social Science Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth Separations Total				
19-0000	Life, Physical & Social Science Occs	350	417	67	19.1	7	11	18	n/a	n/a
19-1000	Life Scientists	59	63	4	6.8	0	3	3	n/a	n/a
19-1031	Conservation Scientists	*	*	*	*	*	*	*	24.81	n/a
19-1040	Medical Scientists	*	*	*	*	*	*	*	n/a	n/a
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-2000	Physical Scientists	73	85	12	16.4	1	3	4	n/a	n/a
19-2030	Chemists and Materials Scientists	34	39	5	14.7	1	1	2	n/a	n/a
19-3000	Social Scientists and Related Workers	135	172	37	27.4	4	3	7	n/a	n/a
19-3020	Market and Survey Researchers	89	120	31	34.8	3	2	5	n/a	n/a
19-3031	Clinical, Counseling & School Psychologists	44	49	5	11.4	1	1	2	18.24	3
19-3090	Misc. Social Scientists and Related Workers	*	*	*	*	*	*	*	n/a	n/a
19-4000	Life, Physical & Social Science Tech	83	97	14	16.9	1	3	4	n/a	n/a
19-4090	Misc Life, Physical & Social Science Tech	58	67	9	15.5	1	2	3	n/a	n/a
19-4093	Forest and Conservation Technicians	*	*	*	*	*	*	*	16.81	6

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Community & Social Services Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
21-0000	Community & Social Services Occs	1,863	2,529	666	35.7	67	35	102	n/a	n/a
21-1000	Counselors, Social Work & Other	1,239	1,772	533	43.0	53	19	72	n/a	n/a
21-1010	Counselors	428	607	179	41.8	18	9	27	n/a	n/a
21-1012	Educational, Vocational & School Counselor	148	185	37	25.0	4	3	7	20.65	3
21-1013	Marriage and Family Therapists	*	*	*	*	*	*	*	n/a	3
21-1020	Social Workers	488	623	135	27.7	14	6	20	n/a	n/a
21-1021	Child, Family, and School Social Workers	392	459	67	17.1	7	4	11	14.47	5
21-1022	Medical and Public Health Social Workers	92	157	65	70.7	7	1	8	13.34	5
21-1090	Misc. Community & Social Service Specialist	323	542	219	67.8	22	5	27	n/a	n/a
21-1091	Health Educators	*	*	*	*	*	*	*	16.75	3
21-1093	Social and Human Service Assistants	280	486	206	73.6	21	4	25	10.52	10
21-2000	Religious Workers	577	703	126	21.8	13	15	28	n/a	n/a
21-9000	Misc Counselor, Social & Religious Work	47	54	7	14.9	1	1	2	n/a	n/a
21-9099	Counselor, Social, Religious Work, All Other	47	54	7	14.9	1	1	2	13.81	5

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Legal Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
23-0000	Legal Occupations	325	526	201	61.8	20	2	22	n/a	n/a
23-1000	Lawyers, Judges, and Related Workers	229	380	151	65.9	15	2	17	n/a	n/a
23-1011	Lawyers	*	*	*	*	*	*	*	37.03	1
23-2000	Legal Support Workers	81	129	48	59.3	5	1	6	n/a	n/a
23-2090	Miscellaneous Legal Support Workers	*	*	*	*	*	*	*	n/a	n/a
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	*	*	*	12.17	10
23-9000	Miscellaneous Legal & Related Workers	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Education, Training & Library Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
25-0000	Education, Training & Library Occupations	6,558	7,743	1,185	18.1	119	138	257	n/a	n/a
25-1000	Postsecondary Teachers	1,270	1,572	302	23.8	30	34	64	n/a	n/a
25-1020	Math & Computer Teachers, Postsecondary	85	103	18	21.2	2	2	4	n/a	n/a
25-1022	Mathematical Science Teachers, Postsec #	43	53	10	23.3	1	1	2	36.73	2
25-1030	Engineering & Architecture Teach., Postsec	*	*	*	*	*	*	*	n/a	n/a
25-1040	Life Sciences Teachers, Postsecondary	42	50	8	19.0	1	1	2	n/a	n/a
25-1050	Physical Sciences Teachers, Postsecondary	47	57	10	21.3	1	1	2	n/a	n/a
25-1060	Social Sciences Teachers, Postsecondary	98	116	18	18.4	2	3	5	n/a	n/a
25-1070	Health Teachers, Postsecondary	58	70	12	20.7	1	2	3	n/a	n/a
25-1110	Law, Criminal Justice & Social Work Teach	*	*	*	*	*	*	*	n/a	n/a
25-1120	Arts, Comm & Humanities Teacher, Postsec	191	229	38	19.9	4	5	9	n/a	n/a
25-1190	Miscellaneous Postsecondary Teachers	291	400	109	37.5	11	8	19	n/a	n/a
25-2000	Primary, Secondary & Special Ed Teacher	3,221	3,715	494	15.3	49	69	118	n/a	n/a
25-2010	Preschool and Kindergarten Teachers	652	767	115	17.6	12	8	20	n/a	n/a
25-2011	Preschool Teachers, Ex. Special Education	566	671	105	18.6	11	7	18	9.71	5
25-2012	Kindergarten Teachers, Ex. Special Ed #	86	96	10	11.6	1	1	2	22.86	5
25-2020	Elementary and Middle School Teachers	1,546	1,714	168	10.9	17	35	52	n/a	n/a
25-2021	Elementary School Teach., Ex. Special Ed #	1,137	1,271	134	11.8	13	26	39	22.87	5
25-2022	Middle School Teach, Ex. Special & Voc Ed #	405	438	33	8.1	3	9	12	23.46	5
25-2030	Secondary School Teachers	692	808	116	16.8	12	21	33	n/a	n/a
25-2031	Sec. School Teach, Ex Special & Voc Ed #	621	728	107	17.2	11	19	30	24.37	5
25-2032	Vocational Ed. Teacher, Secondary School #	71	80	9	12.7	1	2	3	26.97	5
25-2040	Special Education Teachers	331	426	95	28.7	10	4	14	n/a	n/a
25-2041	Special Ed. Teachers, Preschool to Elem #	167	224	57	34.1	6	2	8	23.71	5
25-2042	Special Ed Teachers, Middle School #	67	82	15	22.4	2	1	3	24.34	5
25-2043	Special Ed Teachers, Secondary School #	97	120	23	23.7	2	1	3	25.07	5
25-3000	Other Teachers and Instructors	740	882	142	19.2	14	7	21	n/a	n/a
25-3021	Self-Enrichment Education Teachers	41	67	26	63.4	3	0	3	16.98	8
25-3999	Teach., Primary, Second. & Adult, All Other #	687	801	114	16.6	11	7	18	14.31	5
25-4000	Librarians, Curators, and Archivists	156	166	10	6.4	1	4	5	n/a	n/a
25-4021	Librarians	108	108	0	0.0	0	2	2	19.93	3
25-9000	Other Education, Training & Library Occs	1,171	1,408	237	20.2	24	23	47	n/a	n/a
25-9031	Instructional Coordinators	66	81	15	22.7	2	1	3	20.49	3
25-9041	Teacher Assistants #	986	1,198	212	21.5	21	21	42	11.19	11
25-9090	Misc Education, Training & Library Workers	116	126	10	8.6	1	2	3	n/a	n/a
25-9099	Ed, Training & Library Workers, All Other	*	*	*	*	*	*	*	n/a	5

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

Barren River Area

Art, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth Separations Total				
27-0000	Art, Design, Entertain, Sport, Media Occs	2,172	2,798	626	28.8	63	41	104	n/a	n/a
27-1000	Art and Design Workers	337	423	86	25.5	9	4	13	n/a	n/a
27-1010	Artists and Related Workers	*	*	*	*	*	*	*	n/a	n/a
27-1020	Designers	324	410	86	26.5	9	3	12	n/a	n/a
27-1021	Commercial and Industrial Designers	*	*	*	*	*	*	*	13.29	5
27-1023	Floral Designers	135	181	46	34.1	5	1	6	7.90	10
27-1024	Graphic Designers	68	81	13	19.1	1	1	2	14.05	5
27-2000	Entertainer & Perform, Sports & Related	1,422	1,917	495	34.8	50	27	77	n/a	n/a
27-2010	Actors, Producers, and Directors	33	39	6	18.2	1	1	2	n/a	n/a
27-2012	Producers and Directors	*	*	*	*	*	*	*	n/a	4
27-2020	Athletes, Coaches, Umps & Related Worker	88	97	9	10.2	1	2	3	n/a	n/a
27-2022	Coaches and Scouts	46	49	3	6.5	0	1	1	n/a	9
27-2040	Musicians, Singers, and Related Workers	1,289	1,768	479	37.2	48	24	72	n/a	n/a
27-2041	Music Directors and Composers	175	261	86	49.1	9	3	12	n/a	4
27-2042	Musicians and Singers	1,114	1,507	393	35.3	39	21	60	n/a	9
27-3000	Media and Communication Workers	273	304	31	11.4	3	6	9	n/a	n/a
27-3010	Announcers	59	51	-8	-13.6	0	1	1	10.02	9
27-3020	News Analysts, Reporter & Correspondents	49	48	-1	-2.0	0	2	2	11.65	9
27-3031	Public Relations Specialists	33	41	8	24.2	1	1	2	17.73	5
27-3040	Writers and Editors	124	154	30	24.2	3	3	6	n/a	n/a
27-3041	Editors	60	70	10	16.7	1	2	3	15.18	5
27-3043	Writers and Authors	55	73	18	32.7	2	1	3	14.35	5
27-3090	Misc Media & Communication Workers	*	*	*	*	*	*	*	n/a	n/a
27-4000	Media & Communication Equip Workers	140	154	14	10.0	1	4	5	n/a	n/a
27-4010	Broadcast & Sound Eng Tech & Radio Ops	39	40	1	2.6	0	1	1	n/a	n/a
27-4011	Audio and Video Equipment Technicians	*	*	*	*	*	*	*	8.85	9
27-4012	Broadcast Technicians	34	35	1	2.9	0	1	1	11.95	7
27-4021	Photographers	59	69	10	16.9	1	1	2	10.45	9

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Healthcare Practitioners & Technical Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
29-0000	Healthcare Practitioners & Tech Occs	4,872	6,831	1,959	40.2	196	108	304	n/a	n/a
29-1000	Health Diagnosing & Treating Pract.	2,655	3,849	1,194	45.0	119	56	175	n/a	n/a
29-1051	Pharmacists	162	222	60	37.0	6	5	11	33.23	1
29-1060	Physicians and Surgeons	194	257	63	32.5	6	3	9	n/a	1
29-1062	Family and General Practitioners	*	*	*	*	*	*	*	66.19	1
29-1111	Registered Nurses	1,826	2,611	785	43.0	79	37	116	18.75	6
29-1120	Therapists	376	628	252	67.0	25	9	34	n/a	n/a
29-1122	Occupational Therapists	72	138	66	91.7	7	2	9	24.05	5
29-1123	Physical Therapists	104	189	85	81.7	9	3	12	25.30	3
29-1125	Recreational Therapists	*	*	*	*	*	*	*	9.96	5
29-1126	Respiratory Therapists	58	98	40	69.0	4	1	5	15.76	6
29-1127	Speech-Language Pathologists	111	166	55	49.5	6	3	9	20.59	3
29-1131	Veterinarians	40	49	9	22.5	1	1	2	18.09	1
29-2000	Health Technologists and Technicians	2,067	2,794	727	35.2	73	51	124	n/a	n/a
29-2010	Clinical Lab Technologists & Technicians	194	241	47	24.2	5	5	10	n/a	n/a
29-2011	Medical & Clinical Laboratory Technologists	60	75	15	25.0	2	1	3	18.21	5
29-2012	Medical and Clinical Laboratory Technicians	134	166	32	23.9	3	3	6	13.98	6
29-2030	Diagnostic Related Technologists & Tech	206	288	82	39.8	8	5	13	n/a	n/a
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	18.74	6
29-2034	Radiologic Technologists and Technicians	158	215	57	36.1	6	4	10	16.00	6
29-2041	EMT and Paramedics	443	627	184	41.5	18	11	29	9.03	7
29-2050	Health Diag. & Treating Pract Support Tech	381	584	203	53.3	20	10	30	n/a	n/a
29-2052	Pharmacy Technicians	177	276	99	55.9	10	5	15	10.18	10
29-2056	Veterinary Technologists and Technicians	*	*	*	*	*	*	*	12.08	6
29-2061	Licensed Practical & Licensed Voc. Nurses	746	910	164	22.0	16	19	35	12.65	7
29-2071	Medical Records & Health Info Technicians	76	113	37	48.7	4	2	6	10.89	6
29-9000	Other Healthcare Pract. & Technical Occs	150	188	38	25.3	4	1	5	n/a	n/a
29-9010	Occupational Health & Safety Spec & Techn	*	*	*	*	*	*	*	17.17	5
29-9090	Misc Health Practitioner & Technical Worker	136	172	36	26.5	4	0	4	n/a	n/a
29-9099	Healthcare Pract. & Tech Workers, All Other	128	165	37	28.9	4	0	4	n/a	n/a

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Healthcare Support Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
31-0000	Healthcare Support Occupations	2,826	4,051	1,225	43.3	123	47	170	n/a	n/a
31-1000	Nursing, Psychiatric & Home Health Aide	1,866	2,595	729	39.1	73	24	97	n/a	n/a
31-1010	Nursing, Psychiatric & Home Health Aides	1,866	2,595	729	39.1	73	24	97	n/a	n/a
31-1011	Home Health Aides	405	658	253	62.5	25	5	30	7.40	11
31-1012	Nursing Aides, Orderlies, and Attendants	1,460	1,936	476	32.6	48	19	67	7.55	11
31-2000	Occ. & Physical Therapist Assist & Aides	113	196	83	73.5	8	3	11	n/a	n/a
31-2020	Physical Therapist Assistants and Aides	85	145	60	70.6	6	3	9	n/a	n/a
31-2021	Physical Therapist Assistants	65	113	48	73.8	5	2	7	16.69	6
31-9000	Other Healthcare Support Occupations	847	1,260	413	48.8	41	20	61	n/a	n/a
31-9090	Misc. Healthcare Support Occupations	846	1,259	413	48.8	41	20	61	n/a	n/a
31-9091	Dental Assistants	257	449	192	74.7	19	5	24	9.98	10
31-9092	Medical Assistants	101	160	59	58.4	6	3	9	9.45	10
31-9095	Pharmacy Aides	102	139	37	36.3	4	3	7	7.53	11
31-9096	Veterinary Assist & Lab Animal Caretakers	61	71	10	16.4	1	2	3	7.11	11
31-9099	Healthcare Support Workers, All Other	*	*	*	*	*	*	*	9.64	11

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Protective Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
33-0000	Protective Service Occupations	1,471	1,785	314	21.3	31	44	75	n/a	n/a
33-1000	Supervisors, Protective Service Worker	182	216	34	18.7	3	5	8	n/a	n/a
33-1099	Supervisors, Protective Service Workers	72	90	18	25.0	2	2	4	12.26	8
33-2000	Fire Fighting and Prevention Workers	148	168	20	13.5	2	4	6	n/a	n/a
33-3000	Law Enforcement Workers	714	871	157	22.0	16	16	32	n/a	n/a
33-3012	Correctional Officers and Jailers	335	395	60	17.9	6	8	14	7.30	10
33-3021	Detectives and Criminal Investigators	33	43	10	30.3	1	1	2	23.85	8
33-3051	Police and Sheriff's Patrol Officers	312	394	82	26.3	8	7	15	12.95	9
33-9000	Other Protective Service Workers	427	530	103	24.1	10	19	29	n/a	n/a
33-9032	Security Guards	254	311	57	22.4	6	7	13	7.99	11
33-9090	Miscellaneous Protective Service Workers	109	131	22	20.2	2	7	9	n/a	n/a
33-9099	Protective Service Workers, All Other	84	104	20	23.8	2	6	8	11.56	11

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Food Preparation & Serving Related Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
35-0000	Food Prep & Serving Related Occupations	9,217	11,739	2,522	27.4	252	437	689	n/a	n/a
35-1000	Supervisors, Food Prep & Serving Work	770	899	129	16.8	13	20	33	n/a	n/a
35-1010	Supervisors, Food Prep and Serving	770	899	129	16.8	13	20	33	n/a	n/a
35-1012	Supervisors of Food Prep and Serving	753	879	126	16.7	13	19	32	9.52	8
35-2000	Cooks and Food Preparation Workers	2,125	2,524	399	18.8	40	65	105	n/a	n/a
35-2010	Cooks	1,705	2,009	304	17.8	30	49	79	n/a	n/a
35-2012	Cooks, Institution and Cafeteria	891	955	64	7.2	6	25	31	7.19	9
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	684	900	216	31.6	22	20	42	7.83	9
35-2015	Cooks, Short Order	77	101	24	31.2	2	2	4	6.91	11
35-2021	Food Preparation Workers	420	515	95	22.6	10	16	26	7.21	11
35-3000	Food and Beverage Serving Workers	5,319	7,320	2,001	37.6	200	317	517	n/a	n/a
35-3011	Bartenders	40	44	4	10.0	0	2	2	7.85	11
35-3020	Fast Food and Counter Workers	3,678	5,226	1,548	42.1	155	226	381	n/a	n/a
35-3021	Combined Food Prep & Serving Workers	3,619	5,158	1,539	42.5	154	222	376	6.66	11
35-3022	Counter Attend, Cafeteria, Food Concession	59	68	9	15.3	1	5	6	7.33	11
35-3031	Waiters and Waitresses	1,557	1,998	441	28.3	44	88	132	6.28	11
35-3041	Food Servers, Nonrestaurant	44	52	8	18.2	1	2	3	10.44	11
35-9000	Other Food Prep & Serving Related Work	1,003	996	-7	-0.7	0	35	35	n/a	n/a
35-9011	Dining Room, Cafeteria Attend, Bartend Help	174	165	-9	-5.2	0	6	6	7.44	11
35-9021	Dishwashers	576	542	-34	-5.9	0	22	22	6.96	11
35-9031	Hosts & Hostesses, Restaurant, Lounge	195	218	23	11.8	2	6	8	6.60	11

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Building, Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth Separations Total				
37-0000	Building, Grounds Cleaning & Maint. Occs	4,235	4,884	649	15.3	65	86	151	n/a	n/a
37-1000	Supervisor, Build, Ground Clean & Maint	178	193	15	8.4	2	4	6	n/a	n/a
37-1010	Supervisors, Building, Grounds Cleaning	178	193	15	8.4	2	4	6	n/a	n/a
37-1011	Supervisors of Housekeeping and Janitors	143	160	17	11.9	2	4	6	13.26	8
37-1012	Supervisors of Landscaping, Lawn Service	35	33	-2	-5.7	0	0	0	12.74	8
37-2000	Building Cleaning & Pest Control Worker	3,530	4,144	614	17.4	61	69	130	n/a	n/a
37-2010	Building Cleaning Workers	3,373	3,918	545	16.2	55	66	121	n/a	n/a
37-2011	Janitor & Cleaner, Ex. Maids & Housekeep	2,003	2,373	370	18.5	37	36	73	7.92	11
37-2012	Maids and Housekeeping Cleaners	1,370	1,545	175	12.8	18	30	48	6.77	11
37-2021	Pest Control Workers	157	226	69	43.9	7	3	10	7.91	10
37-3000	Grounds Maintenance Workers	475	489	14	2.9	1	12	13	n/a	n/a
37-3010	Grounds Maintenance Workers	475	489	14	2.9	1	12	13	n/a	n/a
37-3011	Landscaping and Groundskeeping Workers	420	456	36	8.6	4	11	15	9.13	n/a
37-9000	Misc. Building, Grounds Clean. & Maint.	52	58	6	11.5	1	1	2	n/a	n/a

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Personal Care & Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
39-0000	Personal Care and Service Occupations	4,451	5,252	801	18.0	80	141	221	n/a	n/a
39-1000	Supervisor, Personal Care & Serv Work	37	46	9	24.3	1	1	2	n/a	n/a
39-1021	Supervisors of Personal Service Workers	37	46	9	24.3	1	1	2	15.15	8
39-2000	Animal Care and Service Workers	70	87	17	24.3	2	2	4	n/a	n/a
39-2021	Nonfarm Animal Caretakers	70	87	17	24.3	2	2	4	6.39	11
39-3000	Entertainment Attend. & Related Worker	162	181	19	11.7	2	6	8	n/a	n/a
39-3031	Ushers, Lobby Attendants & Ticket Takers	*	*	*	*	*	*	*	6.52	11
39-3090	Misc. Entertainment Attendants & Related	135	155	20	14.8	2	5	7	n/a	n/a
39-3091	Amusement and Recreation Attendants	121	138	17	14.0	2	4	6	6.65	11
39-4000	Funeral Service Workers	37	38	1	2.7	0	1	1	n/a	n/a
39-5000	Personal Appearance Workers	246	305	59	24.0	6	6	12	n/a	n/a
39-5012	Hairdressers, Hairstylists & Cosmetologists	242	300	58	24.0	6	6	12	8.84	7
39-6000	Transp., Tourism & Lodging Attend	83	88	5	6.0	1	3	4	n/a	n/a
39-6020	Tour and Travel Guides	72	75	3	4.2	0	2	2	n/a	n/a
39-6021	Tour Guides and Escorts	69	72	3	4.3	0	2	2	8.58	n/a
39-9000	Other Personal Care & Service Workers	3,816	4,507	691	18.1	69	123	192	n/a	n/a
39-9011	Child Care Workers	3,318	3,875	557	16.8	56	113	169	7.41	11
39-9021	Personal and Home Care Aides	116	177	61	52.6	6	2	8	9.18	11
39-9030	Recreation and Fitness Workers	293	350	57	19.5	6	6	12	n/a	n/a
39-9031	Fitness Trainers and Aerobics Instructors	143	171	28	19.6	3	3	6	10.26	7
39-9032	Recreation Workers	150	179	29	19.3	3	3	6	7.73	5

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Sales and Related Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth Separations Total				
41-0000 Sales and Related Occupations		10,800	12,964	2,164	20.0	216	380	596	n/a	n/a
41-1000	Supervisors, Sales Workers	1,425	1,667	242	17.0	24	21	45	n/a	n/a
41-1010	Supervisors, Sales Workers	1,425	1,667	242	17.0	24	21	45	n/a	n/a
41-1011	Supervisors of Retail Sales Workers	1,298	1,532	234	18.0	23	19	42	11.74	8
41-1012	Supervisors of Non-Retail Sales Workers	127	135	8	6.3	1	2	3	18.74	8
41-2000	Retail Sales Workers	7,590	9,187	1,597	21.0	160	316	476	n/a	n/a
41-2011	Cashiers	3,563	4,322	759	21.3	76	162	238	6.68	11
41-2020	Counter, Rental Clerks, Parts Salespersons	675	758	83	12.3	8	27	35	n/a	n/a
41-2021	Counter and Rental Clerks	443	507	64	14.4	6	20	26	8.77	11
41-2022	Parts Salespersons	232	251	19	8.2	2	7	9	9.87	10
41-2031	Retail Salespersons	3,352	4,107	755	22.5	76	127	203	8.70	11
41-3000	Sales Representatives, Services	417	504	87	20.9	9	8	17	n/a	n/a
41-3011	Advertising Sales Agents	104	123	19	18.3	2	2	4	12.00	10
41-3031	Securities, Commodities & Financial Serv.	140	212	72	51.4	7	1	8	34.89	5
41-4000	Sales Reps, Wholesale & Manufacturing	895	1,033	138	15.4	14	24	38	n/a	n/a
41-4010	Sales Reps, Wholesale & Manufacturing	895	1,033	138	15.4	14	24	38	n/a	n/a
41-4011	Sales Reps, Wholesale & Manuf., Tech	85	97	12	14.1	1	2	3	20.57	10
41-4012	Sales Reps, Wholesale & Manuf, Ex. Tech	810	936	126	15.6	13	22	35	20.60	10
41-9000	Other Sales and Related Workers	473	573	100	21.1	10	11	21	n/a	n/a
41-9041	Telemarketers	136	150	14	10.3	1	3	4	9.70	11
41-9090	Miscellaneous Sales and Related Workers	174	235	61	35.1	6	4	10	n/a	n/a
41-9099	Sales and Related Workers, All Other	116	155	39	33.6	4	3	7	10.72	10

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Office & Administrative Support Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth Separations Total				
43-0000	Office & Administrative Support Occs	15,627	17,356	1,729	11.1	173	347	520	n/a	n/a
43-1000	Supervisor, Office, Admin Support Work	828	957	129	15.6	13	16	29	n/a	n/a
43-1011	Supervisors of Office and Admin. Support	828	957	129	15.6	13	16	29	14.64	8
43-2000	Communications Equipment Operators	103	86	-17	-16.5	0	3	3	n/a	n/a
43-2011	Switchboard Ops, Inc Answering Service	102	85	-17	-16.7	0	3	3	9.13	11
43-3000	Financial Clerks	2,890	3,192	302	10.4	30	85	115	n/a	n/a
43-3011	Bill and Account Collectors	101	130	29	28.7	3	3	6	10.78	11
43-3021	Billing, Posting Clerks & Machine Operators	497	600	103	20.7	10	12	22	9.89	11
43-3031	Bookkeeping, Accounting & Auditing Clerks	1,228	1,300	72	5.9	7	23	30	11.30	10
43-3051	Payroll and Timekeeping Clerks	186	163	-23	-12.4	0	5	5	11.28	11
43-3061	Procurement Clerks	32	29	-3	-9.4	0	1	1	12.18	11
43-3071	Tellers	846	970	124	14.7	12	41	53	7.91	11
43-4000	Information and Record Clerks	3,200	3,929	729	22.8	73	56	129	n/a	n/a
43-4031	Court, Municipal, and License Clerks	100	119	19	19.0	2	2	4	9.93	11
43-4051	Customer Service Representatives	1,255	1,651	396	31.6	40	11	51	10.77	10
43-4071	File Clerks	82	95	13	15.9	1	3	4	8.71	11
43-4081	Hotel, Motel, and Resort Desk Clerks	208	233	25	12.0	3	9	12	6.99	11
43-4111	Interviewers, Except Eligibility and Loan	78	118	40	51.3	4	2	6	7.96	11
43-4121	Library Assistants, Clerical	35	38	3	8.6	0	2	2	7.91	11
43-4131	Loan Interviewers and Clerks	83	69	-14	-16.9	0	1	1	8.39	11
43-4151	Order Clerks	260	198	-62	-23.8	0	6	6	10.24	11
43-4161	Human Res. Assist, Ex. Payroll, Timekeep.	117	139	22	18.8	2	3	5	12.20	11
43-4171	Receptionists and Information Clerks	791	1,046	255	32.2	26	18	44	8.37	11
43-4999	Financial, Info & Record Clerks, All Other	124	146	22	17.7	2	2	4	12.87	11
43-5000	Material Record, Schedule, Dispatch	3,608	3,888	280	7.8	28	98	126	n/a	n/a
43-5021	Couriers and Messengers	58	68	10	17.2	1	2	3	7.80	11
43-5030	Dispatchers	348	414	66	19.0	7	6	13	n/a	n/a
43-5031	Police, Fire, and Ambulance Dispatchers	125	148	23	18.4	2	2	4	9.03	10
43-5032	Dispatchers, Ex. Police, Fire & Ambulance	223	266	43	19.3	4	4	8	14.81	10
43-5041	Meter Readers, Utilities	73	54	-19	-26.0	0	2	2	12.16	11
43-5050	Postal Service Workers	565	556	-9	-1.6	0	16	16	n/a	n/a
43-5051	Postal Service Clerks	76	75	-1	-1.3	0	2	2	18.29	11
43-5052	Postal Service Mail Carriers	366	360	-6	-1.6	0	11	11	17.60	11
43-5053	Postal Service Mail Sorters, Processors	123	121	-2	-1.6	0	3	3	13.21	11
43-5061	Production, Planning, and Expediting Clerks	282	300	18	6.4	2	5	7	14.69	11
43-5071	Shipping, Receiving, and Traffic Clerks	780	810	30	3.8	3	16	19	10.64	11
43-5081	Stock Clerks and Order Fillers	1,416	1,588	172	12.1	17	51	68	8.73	11
43-5111	Weigh, Measure, Check & Sample, Records	80	90	10	12.5	1	2	3	11.53	11

Barren River Area

Office & Administrative Support Occs. (cont'd)

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
43-6000	Secretaries & Administrative Assistants	2,470	2,680	210	8.5	21	42	63	n/a	n/a
43-6010	Secretaries and Administrative Assistants	2,470	2,680	210	8.5	21	42	63	n/a	n/a
43-6011	Executive Secretaries & Admin Assistants	768	828	60	7.8	6	13	19	13.64	10
43-6012	Legal Secretaries	204	307	103	50.5	10	4	14	12.97	7
43-6013	Medical Secretaries	245	316	71	29.0	7	4	11	8.85	7
43-6014	Secretaries, Ex. Legal, Medical & Executive	1,253	1,229	-24	-1.9	0	21	21	9.94	10
43-9000	Other Office & Admin Support Workers	2,528	2,624	96	3.8	10	48	58	n/a	n/a
43-9011	Computer Operators	67	46	-21	-31.3	0	1	1	12.11	10
43-9020	Data Entry & Information Processing Worker	630	540	-90	-14.3	0	10	10	n/a	n/a
43-9021	Data Entry Keyers	575	494	-81	-14.1	0	9	9	11.00	10
43-9022	Word Processors and Typists	55	46	-9	-16.4	0	1	1	9.98	10
43-9041	Insurance Claims, Policy Processing Clerk	58	49	-9	-15.5	0	1	1	17.93	10
43-9051	Mail Clerks & Machine Ops, Ex. Postal Serv	63	70	7	11.1	1	2	3	8.96	11
43-9061	Office Clerks, General	1,521	1,720	199	13.1	20	29	49	8.85	11
43-9071	Office Machine Operators, Except Computer	42	34	-8	-19.0	0	1	1	9.62	11
43-9999	Secretaries, Admin Assist, All Other	98	96	-2	-2.0	0	2	2	18.31	11

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Farming, Fishing & Forestry Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	Estimated	Projected	Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
45-0000	Farming, Fishing & Forestry Occupations	377	385	8	2.1	1	14	15	n/a	n/a
45-1000	Supervisors, Farm, Fish & Forest Work	*	*	*	*	*	*	*	n/a	n/a
45-1011	Supervisors of Farming, Fishing & Forestry	*	*	*	*	*	*	*	16.41	10
45-2000	Agricultural Workers	221	203	-18	-8.1	0	7	7	n/a	n/a
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	20.38	8
45-2041	Graders and Sorters, Agricultural Products	60	38	-22	-36.7	0	1	1	7.90	8
45-2090	Miscellaneous Agricultural Workers	120	127	7	5.8	1	4	5	n/a	n/a
45-2093	Farmworkers, Farm and Ranch Animals	106	114	8	7.5	1	4	5	8.55	10
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	n/a
45-4000	Forest, Conservation & Logging Worker	118	139	21	17.8	2	3	5	n/a	n/a
45-4020	Logging Workers	118	139	21	17.8	2	2	4	n/a	n/a
45-4023	Log Graders and Scalers	*	*	*	*	*	*	*	10.39	n/a
45-9000	Other Farming, Fishing & Forestry Work	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Construction & Extraction Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
47-0000	Construction and Extraction Occupations	4,552	4,975	423	9.3	42	89	131	n/a	n/a
47-1000	Supervisors, Const & Extraction Worker	541	619	78	14.4	8	12	20	n/a	n/a
47-1011	Supervisors of Const. Trades & Extraction	541	619	78	14.4	8	12	20	18.62	8
47-2000	Construction Trades Workers	3,390	3,652	262	7.7	26	58	84	n/a	n/a
47-2031	Carpenters	564	629	65	11.5	7	10	17	15.05	9
47-2040	Carpet, Floor, and Tile Installers & Finishers	32	27	-5	-15.6	0	1	1	n/a	n/a
47-2051	Cement Masons and Concrete Finishers	95	87	-8	-8.4	0	1	1	13.15	9
47-2061	Construction Laborers	508	505	-3	-0.6	0	5	5	10.97	10
47-2070	Construction Equipment Operators	681	681	0	0.0	0	15	15	n/a	n/a
47-2071	Paving, Surfacing, Tamping Equip Operator	77	73	-4	-5.2	0	2	2	12.08	10
47-2073	Operating Eng & Other Const. Equip Ops	604	608	4	0.7	0	13	13	14.36	10
47-2080	Drywall Install, Ceiling Tile Install & Tapers	67	71	4	6.0	0	1	1	n/a	n/a
47-2111	Electricians	427	540	113	26.5	11	8	19	16.36	9
47-2140	Painters and Paperhangers	171	196	25	14.6	3	3	6	n/a	n/a
47-2141	Painters, Construction and Maintenance	167	192	25	15.0	3	3	6	11.87	10
47-2150	Pipelayer, Plumber, Pipefitter & Steamfitter	240	267	27	11.3	3	4	7	n/a	n/a
47-2151	Pipelayers	126	149	23	18.3	2	2	4	12.12	10
47-2152	Plumbers, Pipefitters, and Steamfitters	114	118	4	3.5	0	2	2	22.79	9
47-2181	Roofers	44	42	-2	-4.5	0	1	1	11.24	10
47-2211	Sheet Metal Workers	279	334	55	19.7	6	6	12	12.12	10
47-3000	Helpers, Construction Trades	230	255	25	10.9	3	11	14	n/a	n/a
47-3010	Helpers, Construction Trades	230	255	25	10.9	3	11	14	n/a	n/a
47-3013	Helpers--Electricians	153	181	28	18.3	3	8	11	8.56	11
47-4000	Other Construction and Related Worker	329	366	37	11.2	4	5	9	n/a	n/a
47-4031	Fence Erectors	73	74	1	1.4	0	1	1	10.14	10
47-4051	Highway Maintenance Workers	155	161	6	3.9	1	2	3	9.85	10
47-5000	Extraction Workers	62	83	21	33.9	2	2	4	n/a	n/a
47-5010	Derrick, Rotary Drill & Service Unit Ops	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Installation, Maintenance & Repair Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010		Total		
						Growth	Separations			
49-0000	Installation, Maintenance & Repair Occs	4,987	5,744	757	15.2	76	100	176	n/a	n/a
49-1000	Supervisors, Installation, Maint & Repair	363	432	69	19.0	7	10	17	n/a	n/a
49-1011	Supervisors of Mechanics, Installers	363	432	69	19.0	7	10	17	19.48	8
49-2000	Electrical & Electronic Equip Mechanics	494	514	20	4.0	2	10	12	n/a	n/a
49-2011	Computer, Auto Teller & Office Mach. Repair	59	60	1	1.7	0	1	1	13.04	7
49-2090	Misc Electrical & Electronic Equipment	379	403	24	6.3	2	8	10	n/a	n/a
49-2097	Electronic Home Entertain. Equip Installers	33	27	-6	-18.2	0	1	1	11.06	7
49-2098	Security and Fire Alarm Systems Installers	*	*	*	*	*	*	*	15.96	7
49-2099	Electrical & Electronic Equip Mech, Installer	93	103	10	10.8	1	2	3	20.67	7
49-3000	Vehicle & Mobile Equip Mechanics	1,143	1,500	357	31.2	36	28	64	n/a	n/a
49-3020	Automotive Technicians and Repairers	765	1,057	292	38.2	29	18	47	n/a	n/a
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	*	*	*	n/a	9
49-3023	Auto Service Technicians and Mechanics	762	1,054	292	38.3	29	18	47	11.61	7
49-3031	Bus & Truck Mechanics, Diesel Engine Spec	154	182	28	18.2	3	4	7	13.98	7
49-3040	Heavy Vehicle & Mobile Equip Service Tech	165	198	33	20.0	3	4	7	n/a	n/a
49-3042	Mobile Heavy Equip Mech, Ex Engines	53	68	15	28.3	2	1	3	16.38	7
49-3090	Misc Vehicle & Mobile Equip Mechanics	37	36	-1	-2.7	0	1	1	n/a	n/a
49-3093	Tire Repairers and Changers	36	35	-1	-2.8	0	1	1	10.45	11
49-9000	Other Install, Maintenance & Repair Occs	2,987	3,298	311	10.4	31	53	84	n/a	n/a
49-9010	Mechanical Door Repairers	*	*	*	*	*	*	*	n/a	n/a
49-9021	Heating, Air Cond & Refrigeration Mechanic	205	250	45	22.0	5	2	7	12.02	9
49-9040	Industrial Mach Install, Repair & Maint.	2,339	2,542	203	8.7	20	39	59	n/a	n/a
49-9041	Industrial Machinery Mechanics	408	436	28	6.9	3	11	14	16.95	9
49-9042	Maintenance and Repair Workers, General	1,776	1,926	150	8.4	15	23	38	13.28	9
49-9043	Maintenance Workers, Machinery	36	38	2	5.6	0	1	1	14.05	9
49-9044	Refractory Material Repairer, Ex Brickmason	119	142	23	19.3	2	4	6	16.71	9
49-9050	Line Installers and Repairers	126	126	0	0.0	0	3	3	n/a	n/a
49-9051	Electrical Power-Line Installer and Repairer	67	65	-2	-3.0	0	2	2	20.17	9
49-9052	Telecommunications Line Install & Repairer	59	61	2	3.4	0	1	1	15.11	9
49-9060	Camera & Photographic Equip. Repairer	37	70	33	89.2	3	1	4	n/a	n/a
49-9090	Misc Installation, Maint. & Repair Workers	245	281	36	14.7	4	7	11	n/a	n/a
49-9097	Signal and Track Switch Repairers	*	*	*	*	*	*	*	n/a	9
49-9098	Helpers--Install, Maint. & Repair Workers	52	53	1	1.9	0	3	3	11.60	11
49-9099	Install, Maint. & Repair Workers, All Other	63	68	5	7.9	1	1	2	15.08	9

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Production Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
51-0000 Production Occupations		23,353	23,398	45	0.2	5	509	514	n/a	n/a
51-1000	Supervisors, Production Workers	1,255	1,275	20	1.6	2	33	35	n/a	n/a
51-1011	Supervisors of Production and Operating	1,255	1,275	20	1.6	2	33	35	19.20	8
51-2000	Aircraft Structure, Surfaces, Rigging	6,114	6,014	-100	-1.6	0	119	119	n/a	n/a
51-2020	Electrical, Electronic, Electromech. Assemb	1,470	1,172	-298	-20.3	0	38	38	n/a	n/a
51-2041	Structural Metal Fabricators and Fitters	100	131	31	31.0	3	2	5	13.15	10
51-2090	Fiberglass Laminators and Fabricators	4,427	4,590	163	3.7	16	78	94	n/a	n/a
51-2092	Timing Device Assemb, Adj. & Calibrator	3,300	3,219	-81	-2.5	0	58	58	10.38	10
51-2099	Assemblers and Fabricators, All Other	1,127	1,371	244	21.7	24	20	44	8.93	10
51-3000	Food Processing Workers	361	356	-5	-1.4	0	8	8	n/a	n/a
51-3011	Bakers	41	51	10	24.4	1	1	2	9.58	9
51-3020	Butchers, Other Meat, Poultry & Fish	175	150	-25	-14.3	0	4	4	n/a	n/a
51-3021	Butchers and Meat Cutters	165	138	-27	-16.4	0	4	4	10.83	9
51-3090	Miscellaneous Food Processing Workers	145	155	10	6.9	1	3	4	n/a	n/a
51-3092	Food Batchmakers	42	42	0	0.0	0	1	1	9.00	11
51-4000	Metal Workers and Plastic Workers	5,322	5,886	564	10.6	56	128	184	n/a	n/a
51-4010	Computer Control Programmers & Operator	463	454	-9	-1.9	0	16	16	n/a	n/a
51-4011	Computer-Controlled Mach. Tool Operators	429	408	-21	-4.9	0	15	15	11.83	9
51-4012	Numerical Tool & Process Control Program	34	46	12	35.3	1	1	2	15.56	9
51-4020	Forming Mach Setter, Operator & Tender	1,069	1,240	171	16.0	17	28	45	n/a	n/a
51-4021	Extruding & Drawing Mach Setter, Operator	635	752	117	18.4	12	14	26	11.62	10
51-4022	Forging Mach Setter, Operator & Tenders	84	99	15	17.9	2	3	5	12.93	n/a
51-4030	Mach Tool Cutting Setter, Operator & Tender	1,575	1,575	0	0.0	0	36	36	n/a	n/a
51-4031	Cut, Punch, Press Machine Setter, Operator	1,112	1,127	15	1.3	2	22	24	11.42	10
51-4033	Grind, Lap, Polish, Buffing Mach Tool Setter	193	216	23	11.9	2	5	7	12.06	10
51-4034	Lathe & Turning Mach Tool Setter, Operator	74	59	-15	-20.3	0	3	3	13.59	10
51-4041	Machinists	432	474	42	9.7	4	9	13	13.18	9
51-4050	Metal Furnace & Kiln Operators & Tenders	59	61	2	3.4	0	2	2	n/a	n/a
51-4060	Model Makers and Patternmakers	*	*	*	*	*	*	*	n/a	n/a
51-4070	Molders & Molding Mach Setter, Operator	549	644	95	17.3	10	11	21	n/a	n/a
51-4072	Molding, Coremaking & Casting Mach Setter	520	604	84	16.2	8	11	19	12.95	10
51-4081	Molders & Molding Machine Setter, Operator	299	348	49	16.4	5	5	10	12.38	10
51-4111	Tool and Die Makers	187	201	14	7.5	1	5	6	17.88	9
51-4120	Welding, Soldering, and Brazing Workers	385	553	168	43.6	17	11	28	n/a	n/a
51-4121	Welders, Cutters, Solderers, and Brazers	378	547	169	44.7	17	11	28	14.44	7
51-4190	Misc Metalworkers and Plastic Workers	291	323	32	11.0	3	6	9	n/a	n/a
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	*	*	*	16.88	10

Barren River Area

Production Occupations (cont'd)

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
51-5000	Printing Workers	1,370	1,507	137	10.0	14	35	49	n/a	n/a
51-5010	Bookbinders and Bindery Workers	527	581	54	10.2	5	14	19	n/a	n/a
51-5011	Bindery Workers	361	396	35	9.7	4	10	14	9.89	10
51-5020	Printers	840	923	83	9.9	8	21	29	n/a	n/a
51-5022	Prepress Technicians and Workers	211	177	-34	-16.1	0	5	5	10.38	9
51-5023	Printing Machine Operators	599	715	116	19.4	12	15	27	14.78	10
51-6000	Textile, Apparel & Furnishings Workers	3,080	2,033	-1,047	-34.0	0	44	44	n/a	n/a
51-6011	Laundry and Dry-Cleaning Workers	300	315	15	5.0	2	8	10	8.21	10
51-6031	Sewing Machine Operators	1,983	1,150	-833	-42.0	0	21	21	8.20	10
51-6050	Tailors, Dressmakers, and Sewers	90	79	-11	-12.2	0	2	2	n/a	n/a
51-6060	Textile Mach Setter, Operator & Tender	265	211	-54	-20.4	0	4	4	n/a	n/a
51-6090	Extruding & Forming Mach Setter, Operator	56	33	-23	-41.1	0	2	2	n/a	n/a
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	*	*	*	15.46	9
51-7000	Woodworkers	735	932	197	26.8	20	28	48	n/a	n/a
51-7011	Cabinetmakers and Bench Carpenters	*	*	*	*	*	*	*	9.54	9
51-7040	Woodworking Mach Setter, Operator	516	618	102	19.8	10	21	31	n/a	n/a
51-7041	Sawing Machine Setter, Operator & Tender	130	173	43	33.1	4	5	9	10.03	10
51-8000	Power Plant Operators	285	322	37	13.0	4	9	13	n/a	n/a
51-8031	Water & Liquid Waste Treat. Plant	164	195	31	18.9	3	5	8	12.17	9
51-8090	Miscellaneous Plant and System Operators	97	104	7	7.2	1	3	4	n/a	n/a
51-9000	Other Production Occupations	4,831	5,073	242	5.0	24	105	129	n/a	n/a
51-9010	Chemical Processing Mach Setter, Operator	58	62	4	6.9	0	1	1	n/a	n/a
51-9012	Separating, Filtering, Clarifying, Precipitating	50	50	0	0.0	0	1	1	11.61	10
51-9020	Crush, Grind, Polish, Mix & Blend Work	434	485	51	11.8	5	10	15	n/a	n/a
51-9021	Crushing, Grinding & Polishing Mach Setter	76	80	4	5.3	0	2	2	13.91	10
51-9022	Grinding and Polishing Workers, Hand	206	234	28	13.6	3	5	8	12.65	10
51-9023	Mixing & Blending Machine Setter, Operator	152	171	19	12.5	2	3	5	13.01	10
51-9030	Cutting Workers	405	466	61	15.1	6	7	13	n/a	n/a
51-9032	Cutting & Slicing Machine Setter, Operator	209	234	25	12.0	3	4	7	12.85	10
51-9041	Extrude, Form, Press, Compact Mach Setter	83	107	24	28.9	2	2	4	13.08	10
51-9061	Inspector, Tester, Sorter, Sample & Weigher	910	762	-148	-16.3	0	20	20	11.86	10
51-9081	Ophthalmic Laboratory Technicians	70	85	15	21.4	2	2	4	12.30	n/a
51-9111	Packaging & Filling Machine Operator	595	658	63	10.6	6	13	19	9.74	11
51-9120	Painting Workers	302	356	54	17.9	5	7	12	n/a	n/a
51-9121	Coating, Painting & Spraying Machine Setter	247	292	45	18.2	5	6	11	12.20	10
51-9130	Photographic Process Worker	39	52	13	33.3	1	1	2	n/a	n/a
51-9190	Miscellaneous Production Workers	1,861	1,953	92	4.9	9	40	49	n/a	n/a
51-9196	Paper Goods Mach Setter, Operator	49	54	5	10.2	1	1	2	13.61	10
51-9198	Helpers--Production Workers	772	791	19	2.5	2	19	21	9.00	11
51-9199	Production Workers, All Other	934	980	46	4.9	5	17	22	19.63	10

~ Education/Training Required Codes- Page 33

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Barren River Area

Transportation & Material Moving Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
53-0000	Transportation & Material Moving Occs	9,599	10,608	1,009	10.5	101	225	326	n/a	n/a
53-1000	Aircraft Cargo Handling Supervisors	278	330	52	18.7	5	6	11	n/a	n/a
53-1021	Supervisors of Helpers, Laborers	144	162	18	12.5	2	3	5	16.71	8
53-1031	Supervisors of Transp. & Material Moving	134	168	34	25.4	3	3	6	18.70	8
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-2010	Aircraft Pilots and Flight Engineers	*	*	*	*	*	*	*	n/a	n/a
53-2012	Air Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	7
53-3000	Motor Vehicle Operators	3,904	4,597	693	17.8	69	61	130	n/a	n/a
53-3020	Bus Drivers	657	676	19	2.9	2	17	19	n/a	n/a
53-3022	Bus Drivers, School	645	663	18	2.8	2	16	18	11.39	11
53-3030	Driver/Sales Workers and Truck Drivers	3,005	3,597	592	19.7	59	41	100	n/a	n/a
53-3031	Driver/Sales Workers	385	416	31	8.1	3	5	8	13.20	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,632	1,999	367	22.5	37	22	59	14.31	10
53-3033	Truck Drivers, Light or Delivery Services	988	1,182	194	19.6	19	14	33	10.10	11
53-3041	Taxi Drivers and Chauffeurs	93	114	21	22.6	2	1	3	8.33	11
53-4000	Rail Transportation Workers	37	27	-10	-27.0	0	2	2	n/a	n/a
53-5000	Water Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-6000	Parking Lot Attendants	274	273	-1	-0.4	0	14	14	n/a	n/a
53-6031	Service Station Attendants	256	254	-2	-0.8	0	13	13	7.06	11
53-7000	Material Moving Workers	5,073	5,349	276	5.4	28	142	170	n/a	n/a
53-7011	Conveyor Operators and Tenders	63	68	5	7.9	1	2	3	9.90	11
53-7021	Crane and Tower Operators	38	46	8	21.1	1	1	2	15.48	10
53-7030	Dredge Operators	*	*	*	*	*	*	*	n/a	n/a
53-7032	Loading Machine Ops, Underground Mining	*	*	*	*	*	*	*	18.14	10
53-7051	Industrial Truck and Tractor Operators	959	990	31	3.2	3	13	16	11.39	11
53-7060	Laborers and Material Movers, Hand	3,918	4,132	214	5.5	21	123	144	n/a	n/a
53-7061	Cleaners of Vehicles and Equipment	170	253	83	48.8	8	6	14	10.06	11
53-7062	Laborers, Freight, Stock & Material Mover	1,730	1,839	109	6.3	11	58	69	9.60	11
53-7064	Packers and Packagers, Hand	1,267	1,373	106	8.4	11	32	43	8.29	11
53-7070	Pump Operators, Except Wellhead Pumpers	*	*	*	*	*	*	*	n/a	n/a
53-7081	Shuttle Car Operators	38	41	3	7.9	0	2	2	8.84	11

~ Education/Training Required Codes- Page 33 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Educational Classifications

Occupations are classified into one of eleven categories listed according to these principles:

- An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.
- Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.
- The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a post secondary award generally is needed for entry.

Postsecodary awards

(1) *First professional degree.* Completion of the degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requiries at least 3 years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires 1 or 2 years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's degree.* Completion of the degree generally requires at least 4 years, but not more than 5 years, of full-time academic study.

(5) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(6) *Associate degree.* Completion of the degree usually requires at least 2 years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are first-line supervisors/managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term on-the-job training.* More than 12 months on on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to 5 years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—insurance sales and securities sales, for example—trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability—such as that possessed by musicians, atheletes, actors, and other entertainers—that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term on-the-job training.* Skills needed to be fully qualified can be acquired during 1 to 12 months of combined on-the-job experience and informal training.

(11) *Short-term on-the-job training.* Skills needed to be fully qulaified can be acquired during a short demonstration of job duties or during 1 month or less of on-the-job experience or instruction.

Occupational Title	SOC Code	Page Number
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--- A ---

Accountants and Auditors	13-2011	10
Actors, Producers, and Directors	27-2010	17
Administrative Services Managers	11-3011	9
Adv., Marketing, Promotions, PR & Sales	11-2000	9
Advertising and Promotions Managers	11-2011	9
Advertising Sales Agents	41-3011	24
Agricultural Inspectors	45-2011	27
Agricultural Managers	11-9010	9
Agricultural Workers	45-2000	27
Agricultural Workers, All Other	45-2099	27
Air Transportation Workers	53-2000	32
Air Transportation Workers, All Other	53-2012	32
Aircraft Cargo Handling Supervisors	53-1000	32
Aircraft Pilots and Flight Engineers	53-2010	32
Aircraft Structure, Surfaces, Rigging	51-2000	30
Amusement and Recreation Attendants	39-3091	23
Animal Care and Service Workers	39-2000	23
Announcers	27-3010	17
Architects, Surveyors & Cartographers	17-1000	12
Architectural and Civil Drafters	17-3011	12
Art and Design Workers	27-1000	17
Artists and Related Workers	27-1010	17
Arts, Comm & Humanities Teachers, Postsec	25-1120	16
Assemblers and Fabricators, All Other	51-2099	30
Athletes, Coaches, Umps & Related Workers	27-2020	17
Audio and Video Equipment Technicians	27-4011	17
Auto Service Technicians and Mechanics	49-3023	29
Automotive Glass Installers and Repairers	49-3022	29
Automotive Technicians and Repairers	49-3020	29

--- B ---

Bakers	51-3011	30
Bartenders	35-3011	21
Bill and Account Collectors	43-3011	25
Billing, Posting Clerks & Machine Operators	43-3021	25

Occupational Title	SOC Code	Page Number
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Bindery Workers	51-5011	31
Bookbinders and Bindery Workers	51-5010	31
Bookkeeping, Accounting & Auditing Clerks	43-3031	25
Broadcast & Sound Eng Tech & Radio Ops	27-4010	17
Broadcast Technicians	27-4012	17
Budget Analysts	13-2031	10
Building Cleaning & Pest Control Worker	37-2000	22
Building Cleaning Workers	37-2010	22
Bus & Truck Mechanics, Diesel Engine Spec	49-3031	29
Bus Drivers	53-3020	32
Bus Drivers, School	53-3022	32
Business Operations Specialists	13-1000	10
Business Operations Specialists, All Other	13-1199	10
Butchers and Meat Cutters	51-3021	30
Butchers, Other Meat, Poultry & Fish	51-3020	30
Buyers and Purchasing Agents	13-1020	10

--- C ---

Cabinetmakers and Bench Carpenters	51-7011	31
Camera & Photographic Equipment Repairer	49-9060	29
Carpenters	47-2031	28
Carpet, Floor, and Tile Installers & Finishers	47-2040	28
Cashiers	41-2011	24
Cement Masons and Concrete Finishers	47-2051	28
Chemical Processing Mach Setter, Operator	51-9010	31
Chemists and Materials Scientists	19-2030	13
Chief Executives	11-1011	9
Child Care Workers	39-9011	23
Child, Family, and School Social Workers	21-1021	14
Civil Engineers	17-2051	12
Claims Adj., Appraisers, Examiners & Invest.	13-1030	10
Claims Adjusters, Examiners & Investigators	13-1031	10
Cleaners of Vehicles and Equipment	53-7061	32
Clinical Lab Technologists & Technicians	29-2010	18
Clinical, Counseling & School Psychologists	19-3031	13
Coaches and Scouts	27-2022	17
Coating, Painting & Spraying Machine Setter	51-9121	31
Combined Food Prep & Serving Workers	35-3021	21

Occupational Title	SOC Code	Page Number
Commercial and Industrial Designers	27-1021	17
Communications Equipment Operators	43-2000	25
Compensation, Benefits & Job Analysis Spec	13-1072	10
Compliance Officers, Ex. Ag., Const., Health	13-1041	10
Computer & Information Systems Managers	11-3021	9
Computer Control Programmers & Operators	51-4010	30
Computer Operators	43-9011	26
Computer Programmers	15-1021	11
Computer Software Eng., Systems Software	15-1032	11
Computer Software Engineers	15-1030	11
Computer Software Engineers, Applications	15-1031	11
Computer Specialists	15-1000	11
Computer Specialists, All Other	15-1099	11
Computer Support Specialists	15-1041	11
Computer Systems Analysts	15-1051	11
Computer, Auto Teller & Office Mach. Repair	49-2011	29
Computer-Controlled Mach. Tool Operators	51-4011	30
Conservation Scientists	19-1031	13
Construction Equipment Operators	47-2070	28
Construction Laborers	47-2061	28
Construction Managers	11-9021	9
Construction Trades Workers	47-2000	28
Conveyor Operators and Tenders	53-7011	32
Cooks	35-2010	21
Cooks and Food Preparation Workers	35-2000	21
Cooks, Institution and Cafeteria	35-2012	21
Cooks, Private Household	35-2013	21
Cooks, Restaurant	35-2014	21
Cooks, Short Order	35-2015	21
Correctional Officers and Jailers	33-3012	20
Cost Estimators	13-1051	10
Counselor, Social & Religious Work, All Other	21-9099	14
Counselors	21-1010	14
Counselors, Social Work & Other	21-1000	14
Counter and Rental Clerks	41-2021	24
Counter Attend., Cafeteria, Food Concession	35-3022	21
Counter, Rental Clerks & Parts Salespersons	41-2020	24
Couriers and Messengers	43-5021	25
Court, Municipal, and License Clerks	43-4031	25
Crane and Tower Operators	53-7021	32

Occupational Title	SOC Code	Page Number
Crush, Grind, Polish, Mix & Blend Work	51-9020	31
Crushing, Grinding & Polishing Mach Setter	51-9021	31
Customer Service Representatives	43-4051	25
Cut, Punch & Press Machine Setter, Operator	51-4031	30
Cutting & Slicing Machine Setter, Operator	51-9032	31
Cutting Workers	51-9030	31

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Data Entry & Information Processing Workers	43-9020	26
Data Entry Keyers	43-9021	26
Database Administrators	15-1061	11
Dental Assistants	31-9091	19
Derrick, Rotary Drill & Service Unit Ops	47-5010	28
Designers	27-1020	17
Detectives and Criminal Investigators	33-3021	20
Diagnostic Related Technologists & Tech	29-2030	18
Dining Room, Cafeteria Attend, Bartend Help	35-9011	21
Dishwashers	35-9021	21
Dispatchers	43-5030	25
Dispatchers, Ex. Police, Fire & Ambulance	43-5032	25
Drafters	17-3010	12
Drafters, Eng. & Mapping Tech, All Other	17-3099	12
Drafters, Engineering & Mapping Tech.	17-3000	12
Dredge Operators	53-7030	32
Driver/Sales Workers	53-3031	32
Driver/Sales Workers and Truck Drivers	53-3030	32
Drywall Install, Ceiling Tile Install & Tapers	47-2080	28

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Ed, Training & Library Workers, All Other	25-9099	16
Editors	27-3041	17
Edu. Admin, Preschool & Child Care Center	11-9031	9
Education Admin, Elementary & Secondary	11-9032	9
Education Administrators	11-9030	9
Educational, Vocational & School Counselors	21-1012	14
Electrical & Electronic Equip Mech, Installer	49-2099	29

Occupational Title	SOC Code	Page Number
Electrical & Electronic Equip Mechanics	49-2000	29
Electrical and Electronics Engineers	17-2070	12
Electrical Engineers	17-2071	12
Electrical Power-Line Installer and Repairer	49-9051	29
Electrical, Electronics, Electromech. Assemb	51-2020	30
Electricians	47-2111	28
Electronic Home Entertain. Equip Installers	49-2097	29
Elementary and Middle School Teachers	25-2020	16
Elementary School Teacher, Ex. Special Ed	25-2021	16
Employment, Recruitment & Placement Spec.	13-1071	10
EMT and Paramedics	29-2041	18
Engineering & Architecture Teach., Postsec	25-1030	16
Engineering Managers	11-9041	9
Engineering Technicians, Except Drafters	17-3020	12
Engineers	17-2000	12
Engineers, All Other	17-2199	12
Entertainer & Perform, Sports & Related	27-2000	17
Entertainment Attend. & Related Worker	39-3000	23
Executive Secretaries & Admin Assistants	43-6011	26
Extraction Workers	47-5000	28
Extrude, Form, Press & Compact Mach Setter	51-9041	31
Extruding & Drawing Mach Setter, Operator	51-4021	30
Extruding & Forming Mach Setter, Operator	51-6090	31

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Fabric and Apparel Patternmakers	51-6092	31
Family and General Practitioners	29-1062	18
Farm, Ranch & Other Agricultural Managers	11-9011	9
Farmers and Ranchers	11-9012	9
Farmworkers, Farm and Ranch Animals	45-2093	27
Fast Food and Counter Workers	35-3020	21
Fence Erectors	47-4031	28
Fiberglass Laminators and Fabricators	51-2090	30
File Clerks	43-4071	25
Financial Clerks	43-3000	25
Financial Managers	11-3031	9
Financial Specialists	13-2000	10

Occupational Title	SOC Code	Page Number
Financial Specialists, All Other	13-2099	10
Financial, Info & Record Clerks, All Other	43-4999	25
Fire Fighting and Prevention Workers	33-2000	20
Fitness Trainers and Aerobics Instructors	39-9031	23
Floral Designers	27-1023	17
Food and Beverage Serving Workers	35-3000	21
Food Batchmakers	51-3092	30
Food Preparation Workers	35-2021	21
Food Processing Workers	51-3000	30
Food Servers, Nonrestaurant	35-3041	21
Food Service Managers	11-9051	9
Forest and Conservation Technicians	19-4093	13
Forest, Conservation & Logging Worker	45-4000	27
Forging Mach Setter, Operator & Tenders	51-4022	30
Forming Mach Setter, Operator & Tender	51-4020	30
Funeral Service Workers	39-4000	23

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General and Operations Managers	11-1021	9
Graders and Sorters, Agricultural Products	45-2041	27
Graphic Designers	27-1024	17
Grind, Lap, Polish & Buffing Mach Tool Setter	51-4033	30
Grinding and Polishing Workers, Hand	51-9022	31
Grounds Maintenance Workers	37-3000	22
Grounds Maintenance Workers	37-3010	22

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Hairdressers, Hairstylists & Cosmetologists	39-5012	23
Health & Safety Eng, Ex. Mining Safety Eng.	17-2111	12
Health Diag. & Treating Pract Support Tech	29-2050	18
Health Diagnosing & Treating Pract.	29-1000	18
Health Educators	21-1091	14
Health Teachers, Postsecondary	25-1070	16
Health Technologists and Technicians	29-2000	18
Healthcare Pract. & Tech Workers, All Other	29-9099	18

Occupational Title	SOC Code	Page Number
Healthcare Support Workers, All Other	31-9099	19
Heating, Air Cond & Refrigeration Mechanic	49-9021	29
Heavy Vehicle & Mobile Equip Service Tech	49-3040	29
Helpers, Construction Trades	47-3000	28
Helpers, Construction Trades	47-3010	28
Helpers--Electricians	47-3013	28
Helpers--Install, Maint. & Repair Workers	49-9098	29
Helpers--Production Workers	51-9198	31
Highway Maintenance Workers	47-4051	28
Home Health Aides	31-1011	19
Hosts & Hostesses, Restaurant, Lounge	35-9031	21
Hotel, Motel, and Resort Desk Clerks	43-4081	25
Human Res. Assist, Ex. Payroll, Timekeeping	43-4161	25
Human Res., Training & Labor Rel. Spec.	13-1070	10
Human Resources Managers	11-3040	9
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Industrial Engineering Technicians	17-3026	12
Industrial Engineers	17-2112	12
Industrial Engineers, Inc. Health and Safety	17-2110	12
Industrial Mach Install, Repair & Maintenance	49-9040	29
Industrial Machinery Mechanics	49-9041	29
Industrial Production Managers	11-3051	9
Industrial Truck and Tractor Operators	53-7051	32
Information and Record Clerks	43-4000	25
Inspector, Tester, Sorter, Sampler & Weigher	51-9061	31
Install, Maint. & Repair Workers, All Other	49-9099	29
Instructional Coordinators	25-9031	16
Insurance Claims & Policy Processing Clerks	43-9041	26
Interviewers, Except Eligibility and Loan	43-4111	25
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Janitors & Cleaners, Ex. Maids & Housekeep.	37-2011	22

Occupational Title	SOC Code	Page Number
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Kindergarten Teachers, Ex. Special Ed	25-2012	16
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Laborers and Material Movers, Hand	53-7060	32
Laborers, Freight, Stock & Material Mover	53-7062	32
Landscaping and Groundskeeping Workers	37-3011	22
Lathe & Turning Mach Tool Setter, Operator	51-4034	30
Laundry and Dry-Cleaning Workers	51-6011	31
Law Enforcement Workers	33-3000	20
Law, Criminal Justice & Social Work Teach	25-1110	16
Lawyers	23-1011	15
Lawyers, Judges, and Related Workers	23-1000	15
Lay-Out Workers, Metal and Plastic	51-4192	30
Legal Secretaries	43-6012	26
Legal Support Workers	23-2000	15
Librarians	25-4021	16
Librarians, Curators, and Archivists	25-4000	16
Library Assistants, Clerical	43-4121	25
Licensed Practical & Licensed Voc. Nurses	29-2061	18
Life Sciences Teachers, Postsecondary	25-1040	16
Life Scientists	19-1000	13
Life, Physical & Social Science Tech	19-4000	13
Line Installers and Repairers	49-9050	29
Loading Machine Ops, Underground Mining	53-7032	32
Loan Counselors and Officers	13-2070	10
Loan Interviewers and Clerks	43-4131	25
Loan Officers	13-2072	10
Lodging Managers	11-9081	9
Log Graders and Scalers	45-4023	27
Logging Workers	45-4020	27

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Mach Tool Cutting Setter, Operator & Tender	51-4030	30
Machinists	51-4041	30
Maids and Housekeeping Cleaners	37-2012	22
Mail Clerks & Machine Ops, Ex. Postal Serv	43-9051	26
Maintenance and Repair Workers, General	49-9042	29
Maintenance Workers, Machinery	49-9043	29
Managers, All Other	11-9199	9
Market and Survey Researchers	19-3020	13
Marketing and Sales Managers	11-2020	9
Marketing Managers	11-2021	9
Marriage and Family Therapists	21-1013	14
Material Moving Workers	53-7000	32
Material Record, Schedule, Dispatch	43-5000	25
Materials Engineers	17-2131	12
Math & Computer Teachers, Postsecondary	25-1020	16
Mathematical Science Teachers, Postsec	25-1022	16
Mathematical Scientists	15-2000	11
Mechanical Door Repairers	49-9010	29
Mechanical Drafters	17-3013	12
Mechanical Engineering Technicians	17-3027	12
Mechanical Engineers	17-2141	12
Media & Communication Equip Workers	27-4000	17
Media and Communication Workers	27-3000	17
Medical & Clinical Laboratory Technologists	29-2011	18
Medical and Clinical Laboratory Technicians	29-2012	18
Medical and Health Services Managers	11-9111	9
Medical and Public Health Social Workers	21-1022	14
Medical Assistants	31-9092	19
Medical Records & Health Info Technicians	29-2071	18
Medical Scientists	19-1040	13
Medical Scientists, Except Epidemiologists	19-1042	13
Medical Secretaries	43-6013	26
Meeting and Convention Planners	13-1121	10
Metal Furnace & Kiln Operators & Tenders	51-4050	30
Metal Workers and Plastic Workers	51-4000	30
Meter Readers, Utilities	43-5041	25
Middle School Teach, Ex. Special & Voc Ed	25-2022	16

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Misc Counselor, Social & Religious Work	21-9000	14
Misc Education, Training & Library Workers	25-9090	16
Misc Electrical & Electronic Equipment	49-2090	29
Misc Health Practitioner & Technical Worker	29-9090	18
Misc Installation, Maint. & Repair Workers	49-9090	29
Misc Life, Physical & Social Science Tech	19-4090	13
Misc Media & Communication Workers	27-3090	17
Misc Metalworkers and Plastic Workers	51-4190	30
Misc Vehicle & Mobile Equip Mechanics	49-3090	29
Misc. Building, Grounds Clean. & Maint.	37-9000	22
Misc. Community & Social Service Specialist	21-1090	14
Misc. Entertainment Attendants & Related	39-3090	23
Misc. Healthcare Support Occupations	31-9090	19
Misc. Social Scientists and Related Workers	19-3090	13
Miscellaneous Agricultural Workers	45-2090	27
Miscellaneous Food Processing Workers	51-3090	30
Miscellaneous Legal & Related Workers	23-9000	15
Miscellaneous Legal Support Workers	23-2090	15
Miscellaneous Plant and System Operators	51-8090	31
Miscellaneous Postsecondary Teachers	25-1190	16
Miscellaneous Production Workers	51-9190	31
Miscellaneous Protective Service Workers	33-9090	20
Miscellaneous Sales and Related Workers	41-9090	24
Mixing & Blending Machine Setter, Operator	51-9023	31
Mobile Heavy Equip Mech, Ex Engines	49-3042	29
Model Makers and Patternmakers	51-4060	30
Molders & Molding Mach Setter, Operator	51-4070	30
Molders & Molding Machine Setter, Operator	51-4081	30
Molding, Coremaking & Casting Mach Setter	51-4072	30
Motor Vehicle Operators	53-3000	32
Music Directors and Composers	27-2041	17
Musicians and Singers	27-2042	17
Musicians, Singers, and Related Workers	27-2040	17

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Network & Computer Systems Admin.	15-1071	11
Network Systems & Data Comm. Analysts	15-1081	11
News Analysts, Reporter & Correspondents	27-3020	17

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Nonfarm Animal Caretakers	39-2021	23
Nuclear Medicine Technologists	29-2033	18
Numerical Tool & Process Control Program	51-4012	30
Nursing Aides, Orderlies, and Attendants	31-1012	19
Nursing, Psychiatric & Home Health Aide	31-1000	19
Nursing, Psychiatric, and Home Health Aides	31-1010	19
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Occ. & Physical Therapist Assist & Aides	31-2000	19
Occupational Health & Safety Spec & Techn	29-9010	18
Occupational Therapists	29-1122	18
Office Clerks, General	43-9061	26
Office Machine Operators, Except Computer	43-9071	26
Operating Eng & Other Const. Equip Ops	47-2073	28
Operations Specialties Managers	11-3000	9
Ophthalmic Laboratory Technicians	51-9081	31
Order Clerks	43-4151	25
Other Construction and Related Worker	47-4000	28
Other Education, Training & Library Occs	25-9000	16
Other Farming, Fishing & Forestry Work	45-9000	27
Other Food Prep & Serving Related Work	35-9000	21
Other Healthcare Pract. & Technical Occs	29-9000	18
Other Healthcare Support Occupations	31-9000	19
Other Install, Maintenance & Repair Occs	49-9000	29
Other Management Occupations	11-9000	9
Other Office & Admin Support Workers	43-9000	26
Other Personal Care & Service Workers	39-9000	23
Other Production Occupations	51-9000	31
Other Protective Service Workers	33-9000	20
Other Sales and Related Workers	41-9000	24
Other Teachers and Instructors	25-3000	16

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Packaging & Filling Machine Operator	51-9111	31
Packers and Packagers, Hand	53-7064	32
Painters and Paperhangers	47-2140	28

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Painters, Construction and Maintenance	47-2141	28
Painting Workers	51-9120	31
Paper Goods Mach Setter, Operator	51-9196	31
Parking Lot Attendants	53-6000	32
Parts Salespersons	41-2022	24
Paving, Surfacing & Tamping Equip Operator	47-2071	28
Payroll and Timekeeping Clerks	43-3051	25
Personal and Home Care Aides	39-9021	23
Personal Appearance Workers	39-5000	23
Pest Control Workers	37-2021	22
Pharmacists	29-1051	18
Pharmacy Aides	31-9095	19
Pharmacy Technicians	29-2052	18
Photographers	27-4021	17
Photographic Process Worker	51-9130	31
Physical Sciences Teachers, Postsecondary	25-1050	16
Physical Scientists	19-2000	13
Physical Therapist Assistants	31-2021	19
Physical Therapist Assistants and Aides	31-2020	19
Physical Therapists	29-1123	18
Physicians and Surgeons	29-1060	18
Pipelayer, Plumber, Pipefitter & Steamfitter	47-2150	28
Pipelayers	47-2151	28
Plumbers, Pipefitters, and Steamfitters	47-2152	28
Police and Sheriff's Patrol Officers	33-3051	20
Police, Fire, and Ambulance Dispatchers	43-5031	25
Postal Service Clerks	43-5051	25
Postal Service Mail Carriers	43-5052	25
Postal Service Mail Sorters, Processors	43-5053	25
Postal Service Workers	43-5050	25
Postmasters and Mail Superintendents	11-9131	9
Postsecondary Teachers	25-1000	16
Power Plant Operators	51-8000	31
Prepress Technicians and Workers	51-5022	31
Preschool and Kindergarten Teachers	25-2010	16
Preschool Teachers, Ex. Special Education	25-2011	16
Primary, Secondary & Special Ed Teacher	25-2000	16
Printers	51-5020	31
Printing Machine Operators	51-5023	31
Printing Workers	51-5000	31

Occupational Title	SOC Code	Page Number
Procurement Clerks	43-3061	25
Producers and Directors	27-2012	17
Production Workers, All Other	51-9199	31
Production, Planning, and Expediting Clerks	43-5061	25
Protective Service Workers, All Other	33-9099	20
Public Relations Managers	11-2031	9
Public Relations Specialists	27-3031	17
Pump Operators, Except Wellhead Pumpers	53-7070	32
Purchasing Agents & Buyers, Farm Products	13-1021	10
Purchasing Agents, Ex. Wholesale, Retail	13-1023	10
Purchasing Managers	11-3061	9

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Radiologic Technologists and Technicians	29-2034	18
Rail Transportation Workers	53-4000	32
Receptionists and Information Clerks	43-4171	25
Recreation and Fitness Workers	39-9030	23
Recreation Workers	39-9032	23
Recreational Therapists	29-1125	18
Refractory Material Repairer, Ex Brickmason	49-9044	29
Registered Nurses	29-1111	18
Religious Workers	21-2000	14
Respiratory Therapists	29-1126	18
Retail Sales Workers	41-2000	24
Retail Salespersons	41-2031	24
Roofers	47-2181	28

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Sales and Related Workers, All Other	41-9099	24
Sales Managers	11-2022	9
Sales Representatives, Services	41-3000	24
Sales Reps, Wholesale & Manuf, Ex. Tech	41-4012	24
Sales Reps, Wholesale & Manuf., Tech	41-4011	24
Sales Reps, Wholesale & Manufacturing	41-4000	24
Sales Reps, Wholesale & Manufacturing	41-4010	24
Sawing Machine Setter, Operator & Tender	51-7041	31

Occupational Title	SOC Code	Page Number
Sec. School Teach, Ex Special & Voc Ed	25-2031	16
Secondary School Teachers	25-2030	16
Secretaries & Administrative Assistants	43-6000	26
Secretaries and Administrative Assistants	43-6010	26
Secretaries, Admin Assist, All Other	43-9999	26
Secretaries, Ex. Legal, Medical & Executive	43-6014	26
Securities, Commodities & Financial Services	41-3031	24
Security and Fire Alarm Systems Installers	49-2098	29
Security Guards	33-9032	20
Self-Enrichment Education Teachers	25-3021	16
Separating, Filtering, Clarifying, Precipitating	51-9012	31
Service Station Attendants	53-6031	32
Sewing Machine Operators	51-6031	31
Sheet Metal Workers	47-2211	28
Shipping, Receiving, and Traffic Clerks	43-5071	25
Shuttle Car Operators	53-7081	32
Signal and Track Switch Repairers	49-9097	29
Social and Community Service Managers	11-9151	9
Social and Human Service Assistants	21-1093	14
Social Sciences Teachers, Postsecondary	25-1060	16
Social Scientists and Related Workers	19-3000	13
Social Workers	21-1020	14
Special Ed Teachers, Secondary School	25-2043	16
Special Ed. Teachers, Preschool to Elem	25-2041	16
Special Education Teachers	25-2040	16
Special Education Teachers, Middle School	25-2042	16
Speech-Language Pathologists	29-1127	18
Stock Clerks and Order Fillers	43-5081	25
Structural Metal Fabricators and Fitters	51-2041	30
Supervisor, Build, Ground Clean & Maint	37-1000	22
Supervisor, Office, Admin Support Work	43-1000	25
Supervisor, Personal Care & Serv Work	39-1000	23
Supervisors of Const. Trades & Extraction	47-1011	28
Supervisors of Farming, Fishing & Forestry	45-1011	27
Supervisors of Food Prep and Serving	35-1012	21
Supervisors of Helpers, Laborers	53-1021	32
Supervisors of Housekeeping and Janitors	37-1011	22
Supervisors of Landscaping, Lawn Service	37-1012	22
Supervisors of Mechanics, Installers	49-1011	29
Supervisors of Non-Retail Sales Workers	41-1012	24

Occupational Title	SOC Code	Page Number
Supervisors of Office and Admin. Support	43-1011	25
Supervisors of Personal Service Workers	39-1021	23
Supervisors of Production and Operating	51-1011	30
Supervisors of Retail Sales Workers	41-1011	24
Supervisors of Transp. & Material Moving	53-1031	32
Supervisors, Building, Grounds Cleaning	37-1010	22
Supervisors, Const & Extraction Worker	47-1000	28
Supervisors, Farm, Fish & Forest Work	45-1000	27
Supervisors, Food Prep & Serving Work	35-1000	21
Supervisors, Food Prep and Serving	35-1010	21
Supervisors, Installation, Maint & Repair	49-1000	29
Supervisors, Production Workers	51-1000	30
Supervisors, Protective Service Worker	33-1000	20
Supervisors, Protective Service Workers	33-1099	20
Supervisors, Sales Workers	41-1000	24
Supervisors, Sales Workers	41-1010	24
Surveying and Mapping Technicians	17-3031	12
Surveyor, Cartographer & Photogrammetrist	17-1020	12
Surveyors	17-1022	12
Switchboard Ops, Inc Answering Service	43-2011	25
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Tailors, Dressmakers, and Sewers	51-6050	31
Taxi Drivers and Chauffeurs	53-3041	32
Teach., Primary, Second. & Adult, All Other	25-3999	16
Teacher Assistants	25-9041	16
Telecommunications Line Installer & Repairer	49-9052	29
Telemarketers	41-9041	24
Tellers	43-3071	25
Textile Mach Setter, Operator & Tender	51-6060	31
Textile, Apparel & Furnishings Workers	51-6000	31
Therapists	29-1120	18
Timing Device Assemb, Adjuster & Calibrator	51-2092	30
Tire Repairers and Changers	49-3093	29
Title Examiners, Abstractors, and Searchers	23-2093	15
Tool and Die Makers	51-4111	30

Occupational Title	SOC Code	Page Number
Top Executives	11-1000	9
Tour and Travel Guides	39-6020	23
Tour Guides and Escorts	39-6021	23
Training and Development Specialists	13-1073	10
Transp., Tourism & Lodging Attend	39-6000	23
Transportation, Storage & Dist. Managers	11-3071	9
Truck Drivers, Heavy and Tractor-Trailer	53-3032	32
Truck Drivers, Light or Delivery Services	53-3033	32

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Ushers, Lobby Attendants & Ticket Takers	39-3031	23
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Vehicle & Mobile Equip Mechanics	49-3000	29
Veterinarians	29-1131	18
Veterinary Assist & Lab Animal Caretakers	31-9096	19
Veterinary Technologists and Technicians	29-2056	18
Vocational Ed. Teacher, Secondary School	25-2032	16

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Waiters and Waitresses	35-3031	21
Water & Liquid Waste Treat. Plant	51-8031	31
Water Transportation Workers	53-5000	32
Weigh, Measure, Check & Sample, Records	43-5111	25
Welders, Cutters, Solderers, and Brazers	51-4121	30
Welding, Soldering, and Brazing Workers	51-4120	30
Wholesale & Retail Buyers, Ex. Farm Prod.	13-1022	10
Woodworkers	51-7000	31
Woodworking Mach Setter, Operator	51-7040	31
Word Processors and Typists	43-9022	26
Writers and Authors	27-3043	17
Writers and Editors	27-3040	17